
PHASE II ENVIRONMENTAL SITE INVESTIGATION

for

**CSX Parcel
Bronx, New York
Tax Block 3244, Lot 1 and
Tax Block 3245, Lot 3**

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EXECUTIVE SUMMARY

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Phase II Environmental Site Investigation (ESI) report on behalf of the Plymouth Group III LLC for the lot identified as the "CSX Parcel", which is located along the Harlem River waterfront in the University Heights neighborhood of the Bronx, New York. The CSX Parcel is about 480,000 square feet (± 11 acres) and occupies Block 3244, Lot 1 and Block 3245, Lot 3 on the Bronx Borough Tax Map. The Phase II ESI was conducted to investigate potential impacts from recognized environmental conditions (RECs) identified in Langan's September 2018 Phase I Environmental Site Assessment (ESA).

The site is currently vacant land with uncultivated vegetation, portions of asphalt-paved roadway, and discontinuous concrete cover. Lot 3 constitutes the waterfront portion of the site. Lot 1 occupies the eastern portion of the site and the Exterior Street roadway, which extends about 1,000 feet south of Lot 3 to within about 700 feet of the University Heights Bridge. The shoreline is covered with miscellaneous debris, including concrete blocks. The northern portion of the site contains two stockpiles consisting of soil originating from an unknown source.

The remains of a timber crib bulkhead are located in the northern portion of the site. Two New York City Department of Environmental Protection (NYCDEP) sewer easements transect the central portion of the site and connect to combined sewer outfalls along the Harlem River shore. The southwestern and northwestern boundaries of Lot 3 extend outboard of the Harlem River shoreline (i.e., the high water line) by distances that vary between about 30 and 60 feet.

The Phase II ESI was implemented between July 26, 2018 and September 4, 2018, and consisted of a geophysical survey, advancement of 10 hand-augured and 9 drilled soil borings, installation of 6 temporary groundwater monitoring wells, and collection and laboratory analysis of 31 soil samples, 6 groundwater samples, and 5 soil vapor samples.

Our findings and conclusions are summarized as follows:

- The geophysical survey identified electrical, gas, and water lines and apparent empty conduits along Exterior Street on the southern portion of the site. The utility structures entered the western adjoining properties containing warehouse buildings (Lots 120 and 125), a scrap metal yard (Lot 130), and a concrete manufacturing facility (Lots 145 and 160).
- Historical fill material extends to depths of between about 8.5 and 13 feet below the surface cover and consists of brown, fine- to medium-grained sand with varying amounts of gravel, brick, concrete, and silt. Native soil underlying the fill material generally consists

of brown, fine sand with varying amounts of silt, organic material, fine- to medium-grained sand and gravel. Surface cover in southern portions of Lot 3 consists of an approximately 1- to 3-foot-thick layer of concrete.

- Staining, petroleum or chemical-like odors, PID measurements above background, or other indications of a release were not observed in the soil samples.
- The measured depth to groundwater was between about 5.05 feet bgs in the central portion of the site and 14.6 feet bgs in the northern portion of the site. Inferred groundwater flow is to the northwest towards the adjoining Harlem River. Based on proximity to the Harlem River estuary, groundwater elevations across the site are likely subject to tidal fluctuations.
- The VOC acetone was detected in a shallow soil sample (SP09_1-2) at a concentration above the Title 6 New York Codes, Rules and Regulations (6 NYCRR) Part 375 Unrestricted Use (UU) Soil Cleanup Objective (SCO). Acetone was not detected in other soil or groundwater samples above the UU SCO or NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance Values (GV) for Class GA groundwater. SVOCs, pesticides, cyanide, and/or metals were detected in 23 soil samples collected from depths between surface grade and 11 feet bgs and in samples from the two stockpiles.
- SVOCs and metals (total and dissolved) were detected in groundwater throughout the site at concentrations above the TOGS AWQS/GV. Per- and polyfluoroalkyl compounds (PFAS) compounds were detected below the United States Environmental Protection Agency (USEPA) Lifetime Health Advisory Limit in groundwater samples collected from temporary monitoring wells TMW15 and TMW20.
- Several VOCs were detected in each soil vapor sample. One soil vapor sample (SV11) collected from the southern portion of the site near the warehouse facility on Lot 120 contained a total VOC concentration of 24,983 $\mu\text{g}/\text{m}^3$ and concentrations of petroleum-related VOCs one order of magnitude above those detected in other samples. Two soil vapor samples (SV11 and SV12) contained PCE and TCE at concentrations above the New York State Department of Health (NYSDOH) Air Guideline Values (AGVs). Soil vapor sample SV11 contained cis-1,2-dichloroethene and trichloroethylene (TCE), and SV12 contained TCE at concentrations above the minimum threshold for which mitigation would be recommended during the development of future occupied structures, according to the May 2017 NYSDOH Decision Matrices for soil vapor intrusion.
- Methane's lower explosivity limit (LEL) is 5% to 15%, which corresponds to a range of 50,000 parts per million (ppm) to 150,000 ppm. Though NYSDEC has not established firm

guidelines for evaluating methane hazards in soil vapor, a common action level of 25% (12,500 ppm) of the LEL of methane was used. The concentrations of methane at the site do not exceed the action level.

1.0 INTRODUCTION

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) prepared this Phase II Environmental Site Investigation (ESI) report on behalf of The Plymouth Group III LLC for the lot collectively identified as the "CSX Parcel" (Tax Block 3244, Lot 1 and Tax Block 3245, Lot 3), which is located along the Harlem River waterfront in the University Heights neighborhood of the Bronx, New York ("site"). The Phase II ESI was conducted to investigate potential impacts from on-site and off-site recognized environmental conditions (RECs) identified in Langan's September 2018 Phase I Environmental Site Assessment (ESA).

2.0 BACKGROUND

2.1. Site Location and Description

The site is comprised of about 480,000 square feet (\pm 11 acres) of waterfront land along the Harlem River near the terminus of Exterior Street (a private roadway) in the Bronx, New York. The site is located west of the Major Deegan Expressway and a Metro-North Railway easement, and is identified on the Bronx Borough Tax Map as Block 3244, Lot 1 and Block 3245, Lot 3. Lot 3 constitutes the waterfront portion of the site. Lot 1 occupies the eastern portion of the site and the Exterior Street roadway, which extends about 1,000 feet south of Lot 3 to within about 700 feet of the University Heights Bridge. The site is bound by a Metro-North Railroad easement to the north and east; a concrete manufacturing facility (Block 3244, Lot 160) and an extension of Exterior Street to the south, and the Harlem River to the west. The site is currently vacant land with uncultivated vegetation, portions of asphalt-paved roadway, and discontinuous concrete cover.

The shoreline is covered with miscellaneous debris, including concrete blocks. The northern portion of the site contains two stockpiles consisting of soil originating from an unknown source. The remains of a timber crib bulkhead are located in the northern portion of the site. Two New York City Department of Environmental Protection (NYCDEP) sewer easements transect the central portion of the site and connect to combined sewer outfalls along the Harlem River shorefront. The southwestern and northwestern boundaries of Lot 3 extend outboard of the Harlem River shoreline (i.e., the high water line) by distances that vary between about 30 and 60 feet. A site location map is included as Figure 1.

2.2. Previous Environmental Reports

Phase I ESA (Draft), prepared by Langan, dated September 20, 2018

Langan prepared a Phase I ESA report for the site on behalf of The Plymouth Group III LLC. This report was prepared in accordance with the requirements of the American Society of Testing and Materials (ASTM) E1527-13 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process) and the United States Environmental Protection Agency's (USEPA) All Appropriate Inquiries (AAI) Rule. The following RECs were identified:

- REC 1: Two stockpiles containing soil from an unknown source were observed on the northern portion of the site. Potential contaminants in the stockpiled soil may adversely impact soil, soil vapor and groundwater.
- REC 2: Oil staining and a sheen were observed on the asphalt pavement along the Exterior Street portion of Lot 1. Oil spilled from vehicles staged on and adjacent to Lot 1 may have infiltrated soil and groundwater through cracks in the pavement.
- REC 3: The following historical uses of the site are associated with the potential release of petroleum compounds, polychlorinated biphenyls (PCBs), and other hazardous

substances:

- Railroad operations on the eastern portion of the site between the late 1800s and the early 1970s.
- Potential vehicle repair operations on the southern portion of Lot 3 associated with parked concrete mixing trucks and a vehicle repair facility at the adjoining concrete mixing plant (1984 – 2007).
- Dumping and/or stockpiling of potentially regulated solid waste material (1991 – 1995).
- REC 4: Potential releases of petroleum and other hazardous substances from the following off-site properties may have adversely impacted groundwater and soil vapor at the Site:
 - Vehicle repair operations immediately bordering Lot 3 at the southern adjoining concrete mixing plant (1984 – 2007).
 - Metropolitan Transportation Authority transformer house adjoining the site to the north (1907 – 2017).
 - Filling station and petroleum bulk storage facility located about 200 feet east and up-gradient of Lot 1 (1945 – 2007).

The report also identified a Business Environmental Risk (BER) associated with backfilling of the central and southwestern shoreline areas with material from an unknown source during the early and middle 20th century. Other BERs were associated with potential New York State Department of Environmental Conservation (NYSDEC) violations related to the dumping of solid waste debris on the northern portion of the site, the presence of impermeable concrete cover on the southern portion of the site, and discarded concrete blocks along the shoreline.

Jurisdictional Determination Review (Draft), prepared by Langan, dated June 26, 2018

Langan performed a due diligence review to evaluate for a potential NYSDEC tidal wetlands jurisdictional determination on behalf of Sive, Paget & Riesel, P.C. NYSDEC has jurisdiction of any upland considered to be within a tidal wetland "Adjacent Area." Within New York City, this generally includes the first 150 feet from a tidal wetland boundary (e.g., where high water meets the upland) except where there are functional structures (e.g., bulkheads, roads, and railroad tracks) parallel to the shoreline. The review concluded that the relict timber crib bulkhead on the western boundary of the site is non-functional, because tides are able to flow over the remnants of this structure. There is the potential that NYSDEC determines that the asphalt pavement and railroad tracks are considered non-functional, based on the presence of vegetative overgrowth indicating an absence of upkeep. The review concluded that NYSDEC potentially could determine that they have jurisdiction on the site up to 150 feet from the high water line.

Phase I ESA for University Heights Yard, Bronx, New York, prepared by TRC Engineers Inc. (TRC), dated June 2017

TRC conducted a Phase I ESA on behalf of CSX Transportation, the site owner, in June 2017 in accordance with ASTM E1527-13. The site was vacant at the time of the site inspection. The Phase I ESA identified the following RECs:

- The site was historically partially submerged in the Harlem River and subsequently backfilled. Additionally, up to 18 inches of crushed concrete were placed on the site by the neighboring concrete plant facility. The origin of the backfill material was unknown.
- Uncontrolled concrete washout associated with the neighboring concrete facility was present on the site.
- The southern portion of the site was historically utilized by the neighboring concrete plant facility for concrete truck repair.
- A single-story structure with a basement located up-gradient of the site in 1907 was used as a New York Central and Hudson Railroad transformer house with a battery room.
- Regulatory listings indicated that adjacent and surrounding properties were listed as generators of hazardous waste and petroleum spill incidents, and contain petroleum storage tanks, historical vehicle repair facilities, and historical dry cleaners.
- A historical manufactured gas plant was located on a surrounding property.

The Phase I ESA also identified the following environmental concern:

- A cement mixer cylinder, railway car, and abandoned vehicles (four trucks and one car) were observed along the access road. No evidence of a release was identified in connection with these vehicles.

Surface staining in the southwestern corner of the site was identified as a de minimis condition.

Final Environmental Impact Statement (FEIS) – Hazardous Materials Chapter for the Croton Water Treatment Plant at the Harlem River Site, prepared for the NYCDEP, dated 2004

NYCDEP previously considered the site for the potential location of an operational staging area associated with the proposed Croton Water Treatment Plant. An FEIS was prepared for the proposed project, which covered portions of the site and the southern adjoining lots. The FEIS states that the site may have been used for recreational purposes until the 1960s, based on a review of historical aerial photographs. Soil and groundwater samples were collected from the concrete plant that adjoins the site to the south.

Soil sample analytical results indicated concentrations of volatile organic compounds (VOCs) (ethylbenzene and 1,2,4-trimethylbenzene), pesticides (4,4'-DDD and 4,4'-DDE), and metals (copper, lead, nickel and zinc) above the Title 6 New York Codes, Rules and Regulations (6

NYCRR) Part 375 Unrestricted Use (UU) Soil Cleanup Objectives (SCOs). Total Petroleum Hydrocarbons (TPH) Diesel Range Organics (DRO) were detected at concentrations ranging from 67.7 milligrams per kilogram (mg/kg) to 8,380 mg/kg. TPH Gasoline Range Organics (GRO) were detected at concentrations ranging from 15 mg/kg to 1,440 mg/kg. In addition, evidence of petroleum impacts (i.e., odors, staining, and/or elevated photoionization detector readings above background) was observed in multiple borings. Two of four groundwater samples collected from the southern adjoining lot contained naphthalene at concentrations of 130 micrograms per liter ($\mu\text{g/L}$) and 18.4 $\mu\text{g/L}$, which exceed the NYSDEC Technical & Operations Guidance Series (TOGS) Ambient Water Quality Standard (AWQS) of 10 $\mu\text{g/L}$. The soil and groundwater impacts appeared to be localized occurrences, and indications of petroleum impacts were not identified in the two northern-most borings and groundwater monitoring well.

Copies of previous reports are provided in Appendix A.

2.3. Geology

The southwestern and central western portions of the site were outboard of the original Harlem River shoreline and were backfilled incrementally with material of an unknown origin between 1928 and 1978. Shoreline areas throughout New York City generally contain historic fill material within the upper 10 feet and fluvial sediments (i.e., silts and clays) below the historic fill. According to the 1992 United States Geological Survey (USGS) Bedrock and Engineering Geology Maps of Bronx County, and parts of New York and Queens Counties, New York by C.A. Baskerville, bedrock stratigraphy in the area consists of rock of the Inwood Marble Formation, which is generally composed of calcitic and dolomitic marble. The Inwood Marble Formation is unconformable with the underlying Fordham Gneiss formation, which generally consists of black and white banded gneiss.

The Phase II ESI revealed that a layer of historic fill material extends from beneath the surface cover to depths between about 8.5 feet below ground surface (bgs) and 14 feet bgs. The historic fill generally consists of brown, fine- to medium-grained sand with varying amounts of gravel, silt, and brick and concrete fragments. Native soil consisting of brown, fine sand with varying amounts of silt, organic material, fine- to medium-grained sand and gravel generally underlies the historic fill.

2.4. Hydrogeology

Groundwater flow is typically hydraulically influenced, as shallow groundwater tends to originate in areas of topographic highs and flow toward areas of topographic lows, such as rivers, stream valleys, ponds, and wetlands. A broader, interconnected hydrogeologic network often governs groundwater flow at depth or in the bedrock aquifer. Groundwater depth and flow direction are also subject to hydrogeologic and anthropogenic variables such as precipitation, evaporation, extent of vegetative cover, and extent of impervious cover. Other factors influencing

groundwater include depth to bedrock, the presence of artificial fill, and variability in local geology and groundwater sources or sinks.

The depth to groundwater measured during the Phase II ESI was between 5.1 feet bgs in the southern portion of the site (TMW11) and 14.6 feet bgs in the northern portion of the site (TMW20). Inferred groundwater flow is to the northwest towards the adjoining Harlem River. Tidal effects likely result in fluctuations in groundwater elevations across the site. Potable water is provided to the site and surrounding properties by the City of New York and is derived from surface impoundments in the Croton, Catskill, and Delaware watersheds.

3.0 FIELD INVESTIGATION

The Phase II ESI was implemented between July 26, 2018 and September 4, 2018, and consisted of a geophysical survey, advancement of 10 hand-augured and 9 drilled soil borings, installation of 6 temporary monitoring wells and 5 soil vapor sample points, and collection and laboratory analysis of 31 soil samples, 6 groundwater samples, 5 soil vapor samples and quality assurance/quality control (QA/QC) samples. The soil, groundwater and soil vapor sample locations are shown on Figure 2.

3.1. Geophysical Survey

Prior to intrusive drilling activities, Nova Geophysical Services (NOVA) of Douglaston, New York conducted a geophysical survey on August 29, 2018. The geophysical survey was documented by a Langan field engineer and included the use of ground penetrating radar (GPR) and electromagnetic (EM) detectors to locate potential subsurface utilities, underground storage tanks (USTs) and/or subsurface structures and to clear proposed boring locations. Borings were relocated as necessary to avoid buried structures. The geophysical report prepared by NOVA is included in Appendix B.

3.2. Soil Investigation

AARCO Environmental Services Corp. of Lindenhurst, New York (AARCO) advanced 10 shallow hand-augured soil borings (SP01 through SP10) and 9 drilled soil borings (SP11 through SP16 and SP18 through SP20) throughout the site. The shallow borings were manually advanced with a decontaminated, stainless steel hand-auger to depths between 1 and 4 feet bgs on July 26, 2018. Between August 29 and September 4, 2018, AARCO used a direct-push Geoprobe® 6610DT drill rig to advance borings to depths between about 10 feet and 20 feet bgs. While advancing boring SP16 on the central portion of the site, drilling refusal was encountered at 9 feet bgs; the boring was offset about 2 feet to the north and a new borehole was advanced to 16 feet bgs. A Langan field engineer was on-site to document soil conditions and collect soil samples. The soil boring locations are shown on Figure 2.

Soil samples were collected continuously at each soil boring using a stainless steel hand-auger sampler (shallow borings) and 4-foot Macro-Core® sample barrels with dedicated acetate liners (drilled borings). Grab soil samples were also collected from the two stockpiles located on the northern portion of the site. Stockpile locations are shown on Figure 2.

Soil samples were visually classified for soil type, grain size and texture. Each sample was screened for organic vapors, staining, odors, and other evidence of a chemical or petroleum release. Organic vapor screening was performed with a photoionization detector (PID) equipped with a 10.6 electron volt (eV) lamp. Following sample collection, borings were backfilled with non-impacted soil cuttings or sand, or were converted to temporary groundwater monitoring wells. Boring logs documenting these observations are included in Appendix C.

A total of 31 soil samples were collected for laboratory analysis. One sample was collected from each hand-augered boring, and two samples were collected from each drilled boring, including one sample from the upper two-foot depth interval and another from the interval directly above the groundwater table. Two soil samples were collected from the northern stockpile and one soil sample was collected from the southern stockpile.

Soil samples were placed in new, laboratory-supplied containers. Samples submitted for VOC analysis were collected directly via laboratory-supplied TerraCore[®] soil samplers. The sample containers were labeled, placed in a laboratory-supplied cooler and packed on ice (to maintain a temperature of about 4 degrees Celsius [°C]). The samples were collected and delivered via courier service to York Analytical Laboratories, Inc. (York) under standard chain-of-custody protocol. York is a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Stratford, Connecticut. Soil samples were analyzed for Target Compound List (TCL) VOCs, TCL semivolatile organic compounds (SVOCs), PCBs, Target Analyte List (TAL) metals (including hexavalent and trivalent chromium), pesticides and cyanide. A sample summary table is included as Table 1. A copy of the laboratory NYSDOH ELAP certification is provided in Appendix D.

3.3. Groundwater Investigation

Six soil borings were converted to temporary wells (TMW11, TMW12, TMW14, TMW15, TMW18 and TMW20). Temporary monitoring wells were constructed by inserting 0.010-inch slotted schedule 40 polyvinyl chloride (PVC) well screen into the borehole and attaching PVC riser from the top of screen to about 1 foot bgs. The wells were constructed with 10-foot long, 1-inch diameter screens. Following installation, the wells were developed by purging a minimum of three well volumes using a peristaltic pump. Following collection of groundwater samples, the well materials were removed and the boreholes were backfilled with non-impacted soil cuttings or sand.

The monitoring wells were sampled between August 31, 2018 and September 4, 2018. The wells were gauged with a decontaminated oil/water interface probe to the nearest 0.01 foot to measure the static water levels prior to sampling. A peristaltic pump fitted with dedicated, disposable polyethylene tubing was used to sample the groundwater monitoring wells using low-flow purging techniques to minimize drawdown. Monitoring well effluent was pumped into a flow-through cell with a Horiba U-52 water quality monitoring probe attached. The probe was used to monitor pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation-reduction potential. Groundwater samples were collected after the parameters stabilized to approximately 10 percent of consecutive values, to the extent practical, and turbidity was below 5 nephelometric turbidity units (NTU). Groundwater quality parameters did not stabilize during purging and sampling of TMW11, TMW14, TMW15, and TMW18 because of insufficient recharge.

Six groundwater samples were collected from the respective wells. Samples were collected directly from the discharge line into laboratory-supplied containers. The sample containers were labeled, placed in a laboratory-supplied cooler, packed with ice to maintain a temperature of about 4°C, and delivered via courier service to York under standard chain-of-custody protocol. Groundwater samples were analyzed for TCL VOCs, TCL SVOCs, PCBs, cyanide, and TAL metals including hexavalent and trivalent chromium (total and dissolved). Two groundwater samples, TMW15 and TMW20, were also analyzed for NYSDEC target list per- and polyfluoroalkyl compounds (PFAS). A summary of the groundwater sample analyses is provided in Table 1. Groundwater sample logs are provided in Appendix E.

3.4. Soil Vapor and Ambient Air Investigation

Five soil vapor sample points (SV11, SV12, SV15, SV18 and SV20) were installed by AARCO. Soil vapor sample probes were installed using a Geoprobe® 6610DT drill rig to depths between 3 and 6 feet bgs. The probes were installed in accordance with the 2006 NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York. A 2-inch-diameter polyethylene probe was threaded to Teflon-lined, polyethylene tubing (0.313-inch diameter) and lowered to the bottom of the hole. About 1 foot of No. 2 Sand was installed around the screen implant. The remaining annular space was backfilled to grade with silica sand and hydrated bentonite. The soil vapor probe locations are shown on Figure 2, and soil vapor construction logs are provided in Appendix F.

Following soil vapor probe construction, a MultiRAE®, which registers air flowing below 0.2 liters per minute, was attached to the Teflon tubing and a minimum of three sample volumes were purged. The purged soil vapor was also monitored for VOCs. As a QA/QC measure, an inert tracer gas (helium) test was completed to document that the soil vapor probes were properly sealed, thereby preventing subsurface infiltration of ambient air.

After purging was complete, a laboratory-supplied, 6-liter Summa® canister with a flow controller (preset to a flow rate of 0.05 liters per minute by the laboratory) was attached to the polyethylene tubing. Each Summa canister arrived from the lab with a vacuum of about 26 to 30 inches of mercury (in Hg). Soil vapor sampling was terminated after two hours (at about 4 to 6 in Hg).

Soil vapor samples were transported to York by a laboratory-provided courier for analysis of VOCs via EPA Method TO-15 and methane. The soil vapor sampling logs are included in Appendix F.

3.5. Field QA/QC Samples

The field QA/QC samples consisted of four trip blanks. The trip blanks were analyzed for VOCs by EPA Method 8260 to evaluate for potential cross-contamination of VOCs during sample transport.

4.0 OBSERVATIONS AND RESULTS

4.1. Geophysical Survey

The geophysical survey indicated the following:

- Buried electrical, gas, and water lines are located along Exterior Street near the southern boundary of the site adjacent to the warehouse buildings and scrap metal yard on Lots 120, 125, and 130.
- A buried electrical line and apparent empty conduits enter the concrete manufacturing facility (Lots 145 and 160) from Exterior Street on the southern portion of the site.
- Buried structures, utilities, or sewer lines associated with the municipal easements were not identified on the central and northern portions of the site.
- Geophysical anomalies indicative of USTs or vaults were not identified.

Boring locations were adjusted before drilling to avoid suspected utilities and infrastructure. The geophysical report is included in Appendix B.

4.2. Subsurface Observations

Historic fill material was encountered from below the surface cover to depths between about 8.5 feet below the surface cover and 13 feet bgs. An approximately 1- to 3-foot-thick surficial layer of concrete outwash was observed up to 80 feet north of the concrete plant (Lot 160). The historic fill generally consists of brown, fine- to medium-grained sand with varying amounts of gravel, brick, concrete, and silt. Native soil consisting of brown, fine sand with varying amounts of silt, organic material, fine- to medium-grained sand and gravel was encountered beneath the historic fill. Bedrock was not encountered.

Petroleum-like staining, odors, and/or PID readings above background were not encountered. The measured depth to groundwater was between 5.1 feet bgs in the central portion of the site (TMW04) to 14.6 feet bgs in the northern portion of the site (TMW20). Inferred groundwater flow is to the northwest towards the adjoining Harlem River.

4.3. Analytical Results

Laboratory analytical results are summarized below by media type. Laboratory analytical reports are provided in Appendix G.

4.3.1. Soil Sample Results

Thirty-one soil samples were submitted for laboratory analysis. Analytical results were compared to UU and Restricted Use Restricted-Residential (RRU) SCOs. Compounds that exceeded the SCOs are summarized below and those detected at concentrations above the RRU SCOs are presented in **bold**. Maximum detected concentrations are shown in parentheses. The results are summarized in Tables 2A and 2B and in Figure 3.

VOCs

Sample SP09_1-2 contained acetone at a concentration (0.054 mg/kg) above the UU SCO.

SVOCs

SVOCs were detected at concentrations above the RRU SCOs in samples collected from borings SP02, SP06, SP12, SP18, SP19, and SP20 between 0 and 9 feet bgs and soil collected from the northern and southern stockpiles.

- **Benzo(a)anthracene** (3.99 mg/kg – Stockpile-NE)
- **Benzo(a)pyrene** (3.8 mg/kg – Stockpile-S)
- **Benzo(b)fluoranthene** (2.8 mg/kg – Stockpile-NE)
- Benzo(k)fluoranthene (2.71 mg/kg – Stockpile-NE)
- Chrysene (3.75 mg/kg – Stockpile-NE)
- **Dibenzo(a,h)anthracene** (0.752 mg/kg – Stockpile-NE)
- **Indeno(1,2,3-c,d)pyrene** (2.29 mg/kg – Stockpile-NE)

Pesticides

Two pesticides (4,4'-DDE and 4,4'-DDT) were detected at concentrations above the Part 375 UU SCOs in samples collected from borings SP06, SP08, SP10, SP11, SP12, SP15, SP16, SP20 between 0 and 2 feet bgs and soil collected from the northern and southern stockpiles.

- 4,4'-DDD (0.0233 mg/kg – SP12_0-2)
- 4,4'-DDE (0.0050 mg/kg – SP16_0-2)
- 4,4'-DDT (0.0174 mg/kg – Stockpile-NE)

PCBs

PCBs were not detected at concentrations above the UU SCOs.

Metals

Metals were detected at concentrations above the UU SCOs in samples collected from borings SP01, SP02, SP03, SP04, SP05, SP09, SP10, SP11, SP12, SP13, SP14, SP15, SP18, and SP20 between 0 and 11 feet bgs and soil collected from the northern and southern stockpiles. Lead was detected above the RRU SCO in samples collected from borings SP07, SP18 and SP20 between 0 and 11 feet bgs.

- Arsenic (13.9 mg/kg – SP20_10-11)
- Chromium, hexavalent (5.79 mg/kg – SP-01_0-1)
- Chromium, trivalent (52.5 mg/kg – SP12_0-2)
- Copper (243 mg/kg – SP20_10-11)

- **Lead** (674 mg/kg – SP07_1-2)
- Mercury (0.578 mg/kg – SP12_0-2)
- Nickel (76.8 mg/kg – SP13_7-8)
- Selenium (5.91 mg/kg – SP13_0-2)
- Zinc (636 mg/kg – SP20_10-11)

Total Cyanide

Sample SP14_0-2 contained cyanide at a concentration (39.4 mg/kg) above the Part UU SCO (27 mg/kg).

4.3.2. Groundwater Sample Results

Six groundwater samples were submitted for laboratory analysis. Analytical results were compared to the NYSDEC Technical and Operational Guidance Series (TOGS 1.1.1) AWQS and Guidance Values (GV) for Class GA groundwater. PFAS sample results were compared to the USEPA Lifetime Health Advisory Limits. The groundwater results are summarized in Table 3 and shown in Figure 4. Constituents detected above the TOGS AWQS/GV and the USEPA Lifetime Health Advisory Limits are summarized below. Maximum detected concentrations are shown in parentheses.

VOCs

VOCs were not detected at concentrations above the TOGS AWQS/GV.

SVOCs

SVOCs were detected at concentrations above the TOGS AWQS/GV in samples collected from temporary monitoring wells TMW11, TMW12, TMW14, and TMW20.

- Benzo(a)anthracene (0.303 µg/l – TMW12)
- Benzo(a)pyrene (0.454 µg/l – TMW12)
- Benzo(b)fluoranthene (0.4 µg/l – TMW12)
- Benzo(k)fluoranthene (0.357 µg/l – TMW12)
- Bis(2-ethylhexyl)phthalate (8.94 µg/l – TMW12)
- Chrysene (0.292 µg/l – TMW12)
- Indeno(1,2,3-cd)pyrene (0.389 µg/l – TMW12)

PCBs

PCBs were not detected at concentrations above the TOGS AWQS/GV.

Metals

Dissolved and total metals were detected at concentrations above the TOGS AWQS/GV in each well. The total metal concentrations partially reflect suspended sediment in unfiltered samples.

Total Metals

- Antimony (15.3 µg/l – TMW18)
- Barium (1,280 µg/l – TMW18)
- Cadmium (12.7 µg/l – TMW18)
- Chromium (69.7 µg/l – TMW18)
- Copper (363 µg/l – TMW18)
- Cyanide (3,330 µg/l – TMW14)
- Lead (9,520 µg/l – TMW18)
- Magnesium (360,000 µg/l – TMW15)
- Manganese (10,200 µg/l – TMW14)
- Selenium (105 µg/l – TMW15)
- Sodium (3,590,000 µg/l – TMW15)
- Zinc (3,700 µg/l – TMW14)

Dissolved Metals

- Antimony (14.8 µg/l – TMW18)
- Magnesium (357,000 µg/l – TMW15)
- Manganese (1,860 µg/l – TMW12)
- Selenium (114 µg/l – TMW15)
- Sodium (3,700,000 µg/l – TMW15)

PFAS

PFAS compounds were detected below the USEPA Health Advisory Limits in samples collected from temporary monitoring wells TMW15 and TMW20. The maximum PFAS detections are listed below:

- Perfluorobutanesulfonic acid (PFBS) (0.0025 µg/l – TMW15)
- Perfluorohexanoic acid (PFHxA) (0.0038 µg/l – TMW20)
- Perfluoroheptanoic acid (PFHpA) (0.0025 µg/l – TMW20)
- Perfluoropentanoic acid (PFPeA) (0.0041 µg/l – TMW15)
- Perfluorohexanesulfonic acid (PFHxS) (0.0027 µg/l – TMW20)
- Perfluorooctanoic acid (PFOA) (0.026 µg/l – TMW20)
- Perfluorooctanesulfonic acid (PFOS) (0.0098 µg/l – TMW20)

4.3.3. Soil Vapor Sample Results

Five soil vapor samples were analyzed for VOCs and methane. New York State currently does not have standards, criteria, or guidance for concentrations of VOCs in soil vapor. In lieu of regulatory standards, Air Guideline Values (AGVs) and Decision Matrices published in the 2006 NYSDOH Soil Vapor Intrusion Guidance, updated in 2017, were used as comparison criteria for soil vapor concentrations. NYSDOH AGVs are established for methylene chloride, tetrachloroethylene (PCE), and trichloroethene (TCE), and the NYSDOH Decision Matrices (Matrices A, B, and C) address the compounds PCE, TCE, 1,1,1-trichloroethane (1,1,1-TCA), 1,1-dichloroethene, cis-1,2-dichloroethene, vinyl chloride, methylene chloride and carbon tetrachloride. The matrix evaluation requires soil vapor and indoor air data. Indoor air samples were not collected as part of this investigation; however, the matrices provide a minimum soil vapor concentration above which monitoring and/or mitigation is recommended, regardless of indoor air concentrations. The analytical results are summarized as follows:

- Several VOCs were detected in each soil vapor sample. The concentration of total detected VOCs ranged from 432 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) in SV15 to 24,983 $\mu\text{g}/\text{m}^3$ in SV11, which is located on the southern portion of the site near the warehouse facility on Lot 120. Concentrations in SV11 were one order of magnitude above those detected in other samples.
- PCE was detected in SV11 at 32 $\mu\text{g}/\text{m}^3$, which exceeds the AGV of 30 $\mu\text{g}/\text{m}^3$. The recommendations provided in NYSDOH Decision Matrix B for the detected PCE concentrations range from “no further action” to “identify source and resample or mitigate”.
- TCE was detected in SV11 and SV12 at a concentration of 46 $\mu\text{g}/\text{m}^3$ and 6.3 $\mu\text{g}/\text{m}^3$, respectively, which exceed the AGV of 2 $\mu\text{g}/\text{m}^3$. The recommendations provided in NYSDOH Decision Matrix A for the detected TCE concentrations range from “no further action” to “mitigate”.
- Methylene chloride was detected in SV12 and SV15 at concentrations below the AGV and below the minimum threshold for mitigation established in the NYSDOH decision matrix.
- cis-1,2-dichloroethene (cis-1,2-DCA) was detected in sample SV11 at a concentration of 53 $\mu\text{g}/\text{m}^3$, for which the NYSDOH Decision Matrix B recommendations range from “no further action” to “mitigate”.
- The remaining compounds evaluated in the NYSDOH Decision Matrices were not detected in the soil vapor samples.
- Methane was detected at concentrations of 0.041 $\mu\text{g}/\text{m}^3$ in SV12 and 5.887 $\mu\text{g}/\text{m}^3$ in SV11 in the southern portion of the site. Methane’s lower explosivity limit (LEL) is 5.0% to 15%, which corresponds to a range of 50,000 parts per million (ppm) to 150,000 ppm. Though NYSDEC has not established firm guidelines for evaluating methane hazards in soil vapor, a common action level of 25% (12,500 ppm) of the LEL of methane is used at

similar sites. The concentrations of methane at the site do not exceed the provisional action level.

Soil vapor sample results are summarized in Table 4 and Figure 5.

4.3.4. QA/QC Results

Six trip blanks were submitted for laboratory analysis. Trip blank results did not indicate cross-contamination during sample transport. The trip blank results are presented in Table 5.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Our findings and conclusions are summarized as follows:

- The geophysical survey identified electrical, gas, and water lines and apparent empty conduits along Exterior Street on the southern portion of the site. The utility structures entered the western adjoining properties containing warehouse buildings (Lots 120 and 125), a scrap metal yard (Lot 130), and a concrete manufacturing facility (Lots 145 and 160).
- Historical fill material extends to depths of between about 8.5 and 13 feet below the surface cover and consisted of brown, fine- to medium-grained sand with varying amounts of gravel, brick, concrete, and silt. Native soil underlying the fill material generally consists of brown, fine sand with varying amounts of silt, organic material, fine- to medium-grained sand and gravel. Surface cover in southern portions of Lot 3 consists of an approximately 1- to 3-foot-thick layer of concrete.
- Staining, petroleum or chemical-like odors, PID measurements above background, or other indications of a release were not observed in the soil samples.
- The measured depth to groundwater was between about 5.05 feet bgs in the central portion of the site and 14.6 feet bgs in the northern portion of the site. Inferred groundwater flow is to the northwest towards the adjoining Harlem River. Based on proximity to the Harlem River estuary, groundwater elevations across the site are likely subject to tidal fluctuations.
- The VOC acetone was detected in a shallow soil sample (SP09_1-2) at a concentration above the UU SCO. Acetone was not detected in other soil or groundwater samples above the UU SCO or TOGS AWQS/GV, respectively. SVOCs, pesticides, cyanide, and/or metals were detected in 23 soil samples collected from depths between surface grade and 11 feet bgs and in samples from the two stockpiles.
- SVOCs, pesticides, cyanide, and metals were detected in 23 soil samples collected from depths between 0 and 11 and from the two stockpiles at concentrations above the UU and RRU SCOs.
- SVOCs and metals (total and dissolved) were detected in groundwater throughout the site at concentrations above the TOGS AWQS/GV. PFAS compounds were detected below the USEPA Lifetime Health Advisory Limit in groundwater samples collected from temporary monitoring wells TMW15 and TMW20.
- Several VOCs were detected in each soil vapor sample. One soil vapor sample (SV11) collected from the southern portion of the site near the warehouse facility on Lot 120 contained a total VOC concentration of 24,983 $\mu\text{g}/\text{m}^3$ and concentrations of petroleum-related VOCs one order of magnitude above those detected in other samples. Two soil

vapor samples (SV11 and SV12) contained PCE and TCE at concentrations above the NYSDOH AGVs. Soil vapor sample SV11 contained cis-1,2-dichloroethene and TCE, and SV12 contained TCE at concentrations above the minimum threshold for which mitigation would be recommended during the development of future occupied structures, according to the May 2017 NYSDOH Decision Matrices for soil vapor intrusion.

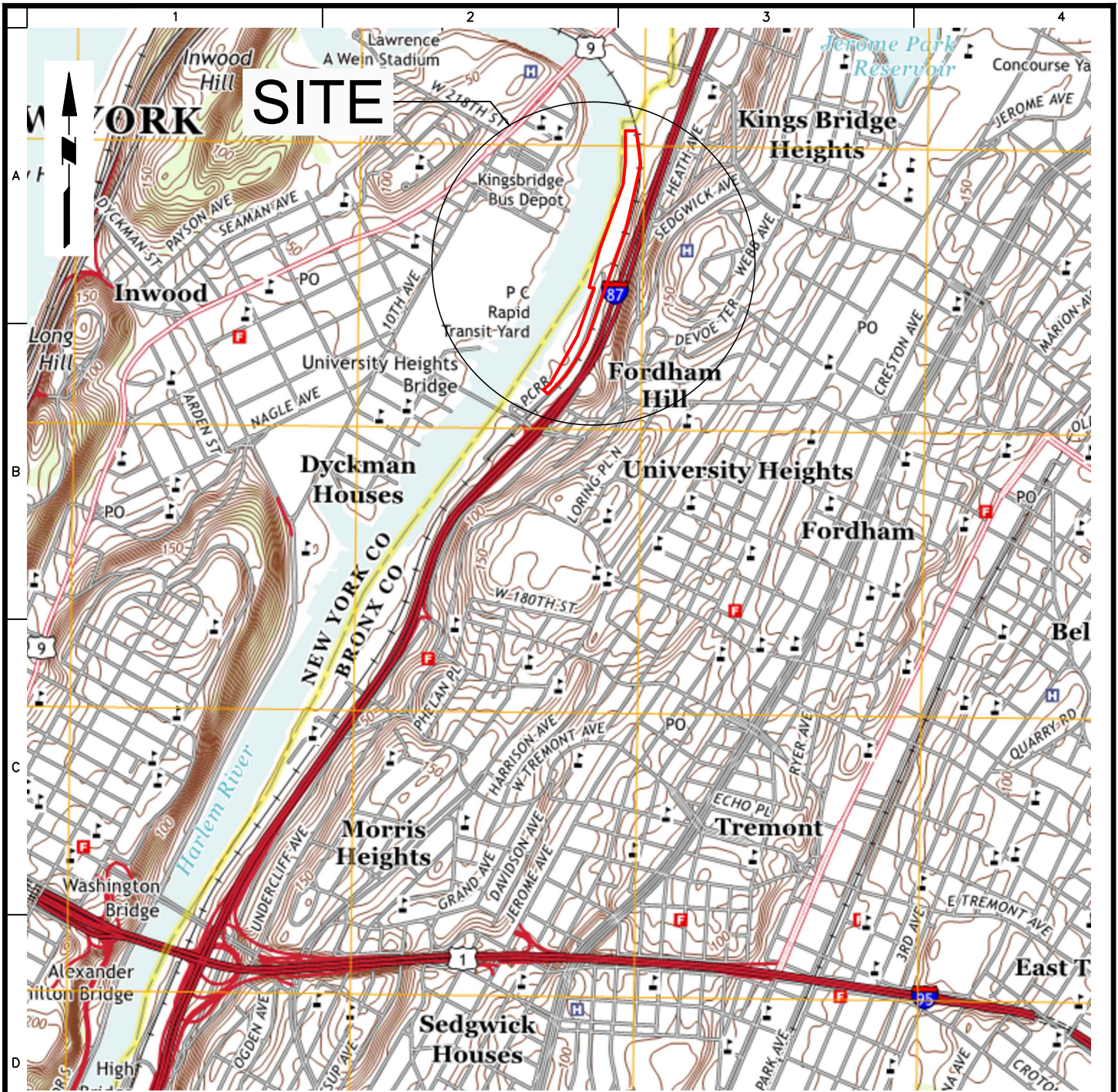
- Methane's LEL is 5.0% to 15%, which corresponds to a range of 50,000 ppm to 150,000 ppm. Though NYSDEC has not established firm guidelines for evaluating methane hazards in soil vapor, a common action level of 25% (12,500 ppm) of the LEL of methane is used at similar sites. The concentrations of methane at the site do not exceed the action level.

6.0 LIMITATIONS

This Phase II ESI report was prepared expressly for The Plymouth Group III LLC for the CSX Parcel (Block 3244, Lot 1 and Block 3245, Lot 3) in the Bronx, New York and for the objectives defined herein. Langan cannot assume responsibility for the use of this Report for any property other than the specific site addressed in this report, or by any third party without specific written authorization from Langan.

The conclusions, opinions, and recommendations provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples and from environmental reports prepared by other professionals that were provided by "the Client". Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be brought to our attention whereby we may determine how such changes may affect our conclusions, opinions, and recommendations.

FIGURES



LEGEND:

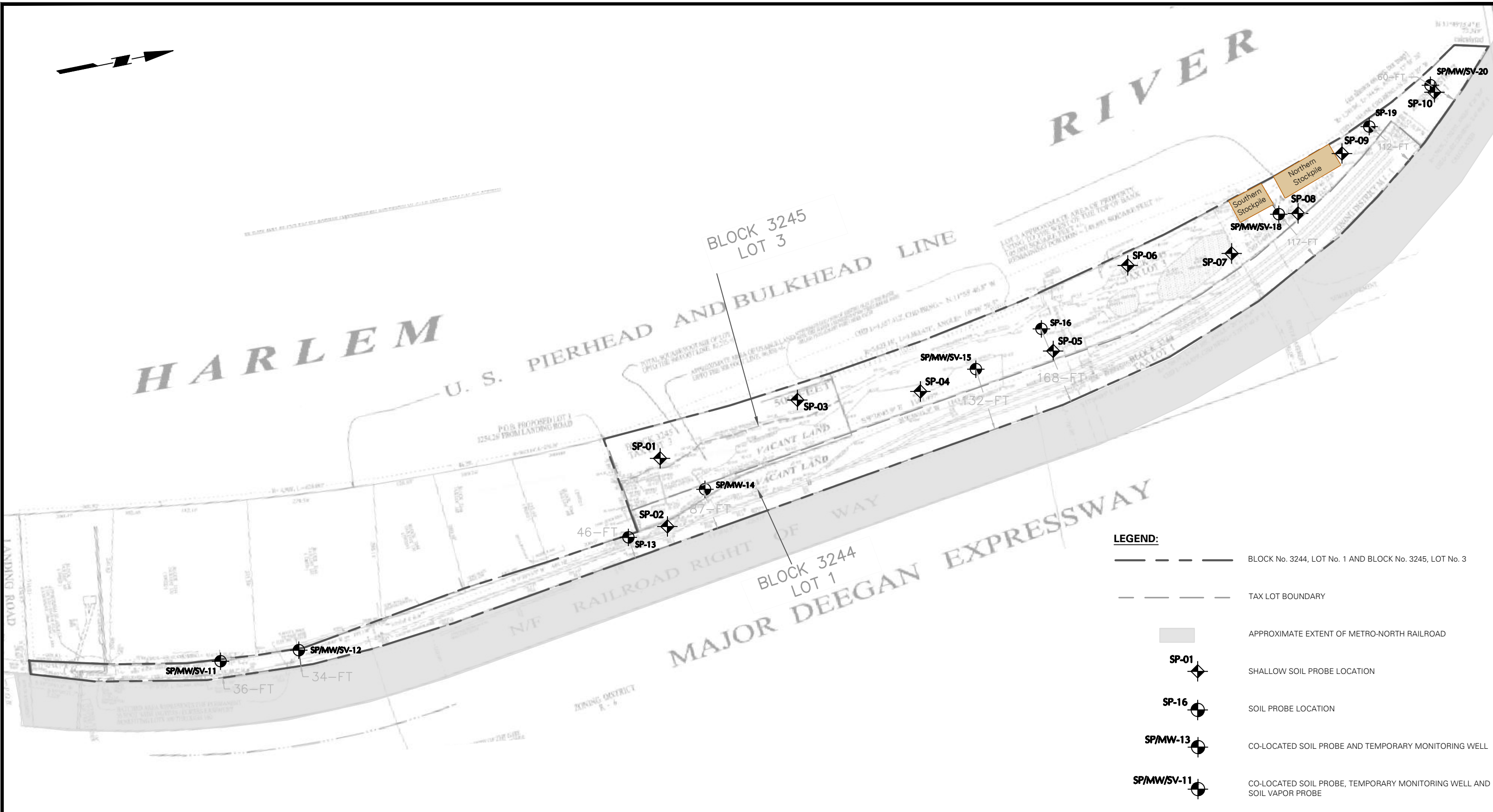
— APPROXIMATE SITE BOUNDARY

BASE MAP REFERENCE:
 UNITED STATES GEOLOGICAL SURVEY (USGS) 7.5-MINUTE CENTRAL PARK, N.Y.-N.J.
 TOPOGRAPHIC QUADRANGLE MAP, DATED 2013

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

DRAFT

<p>LANGAN Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 T: 212.479.5400 F: 212.479.5444 www.langan.com</p>	<p>Project CSX PARCEL BLOCK No. 3244, LOT No. 1 & BLOCK 3245, LOT No. 3</p>	<p>Figure Title SITE LOCATION MAP</p>	<p>Project No. 170502901 Date 09/13/2018 Drawn By WK Checked By JL</p>
	<p>BRONX NEW YORK</p>	<p>1</p>	<p>Sheet 1 of 5</p>

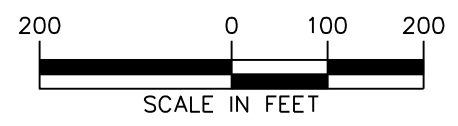


LEGEND:

- BLOCK No. 3244, LOT No. 1 AND BLOCK No. 3245, LOT No. 3
- TAX LOT BOUNDARY
- APPROXIMATE EXTENT OF METRO-NORTH RAILROAD
- SHALLOW SOIL PROBE LOCATION
- SOIL PROBE LOCATION
- CO-LOCATED SOIL PROBE AND TEMPORARY MONITORING WELL
- CO-LOCATED SOIL PROBE, TEMPORARY MONITORING WELL AND SOIL VAPOR PROBE

GENERAL NOTES:

1. EXISTING INFORMATION TAKEN FROM TOPOGRAPHIC AND BOUNDARY SURVEY PREPARED BY FEHRINGER SURVEYING, P.C., DATED 14 MARCH 2011.
2. ALL LOCATIONS AND DISTANCES ARE APPROXIMATE.
3. ALL ELEVATIONS ARE SHOWN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. FT = FEET



 <small>Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 T: 212.479.5400 F: 212.479.5444 www.langan.com</small>	Project CSX PARCEL BLOCK No. 3244, LOT No. 1 BLOCK No. 3245, LOT No. 3 BRONX NEW YORK	Figure Title SAMPLE LOCATION PLAN	Project No. 170502901 Date 09/10/2018 Drawn By AED Checked By JL	Figure No. 2 Sheet 2 of 5
	DRAFT			

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted-Residential SCOs
VOC (mg/kg)		
Acetone	0.05	100
SVOC (mg/kg)		
Benzolanthracene	1	1
Benzolopyrene	1	1
Benzofluoranthene	1	1
Benzokifluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenzolanthracene	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.5	0.5
Pesticides (mg/kg)		
4,4'-DDD	0.0033	13.0
4,4'-DDE	0.0033	8.9
4,4'-DDT	0.0033	7.9
Total Metals (mg/kg)		
Arsenic	13	16
Copper	50	270
Cyanide	27	27
Chromium, Hexavalent	1	110
Chromium, Trivalent	30	180
Lead	63	400
Mercury	0.18	0.81
Nickel	30	310
Selenium	3.9	180
Zinc	109	10000

NOTE: THE ELEVATIONS SHOWN ON THIS PROPERTY ARE BASED ON THE U.S. NAVY SURVEY OF ELEVATIONS. THE ELEVATION OF THE BENCHMARK IS 100.00 FEET. THE ELEVATION OF THE PROPERTY IS 100.00 FEET. THE ELEVATION OF THE PROPERTY IS 100.00 FEET.

Sample ID	SP12 0-2	SP12 6-7
Lab Sample ID	18H1425-09	18H1425-10
Sample Date	8/30/2018	8/30/2018
Sample Depth (ft)	0 to 2	6 to 7
VOC (mg/kg)		
Total VOCs	NE	NE
SVOC (mg/kg)		
Indeno(1,2,3-cd)pyrene	NE	0.54 D
Pesticides (mg/kg)		
4,4'-DDD	0.0233 DP	ND
4,4'-DDE	0.00377 D	ND
4,4'-DDT	0.00506 DP	ND
PCB (mg/kg)		
Total PCBs	ND	ND
Metals (mg/kg)		
Chromium, Trivalent	52.5	NE
Lead	71.2	201
Mercury	0.578	NE
Zinc	NE	155

Sample ID	SP14 0-2	SP14 9-10
Lab Sample ID	18H1425-05	18H1425-06
Sample Date	8/30/2018	8/30/2018
Sample Depth (ft)	0 to 2	9 to 10
VOC (mg/kg)		
Total VOCs	NE	NE
SVOC (mg/kg)		
Total SVOCs	NE	ND
Pesticides (mg/kg)		
Total Pesticides	ND	ND
PCB (mg/kg)		
Total PCBs	ND	ND
Metals (mg/kg)		
Copper	64.6	NE
Cyanide	39.4	NE
Lead	102	NE
Mercury	0.502	NE
Zinc	159	NE

Sample ID	SP16 0-2	SP16 10-11
Lab Sample ID	18H1425-01	18H1425-02
Sample Date	8/30/2018	8/30/2018
Sample Depth (ft)	0 to 2	10 to 11
VOC (mg/kg)		
Total VOCs	NE	ND
SVOC (mg/kg)		
Total SVOCs	NE	ND
Pesticides (mg/kg)		
4,4'-DDE	0.00496 DP	ND
PCB (mg/kg)		
Total PCBs	ND	ND
Metals (mg/kg)		
Total Metals	NE	NE

Sample ID	SP-09 1-2
Lab Sample ID	18G1148-09
Sample Date	7/26/2018
Sample Depth (ft)	1 to 2
VOC (mg/kg)	
Total VOCs	0.054
SVOC (mg/kg)	
Total SVOCs	NE
Pesticides (mg/kg)	
Total Pesticides	ND
PCB (mg/kg)	
Total PCBs	ND
Metals (mg/kg)	
Lead	68.8

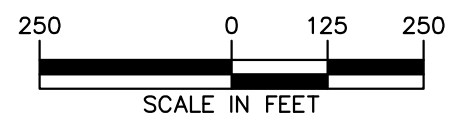
Sample ID	SP19 0-2	SP19 12-13
Lab Sample ID	18H1343-03	18H1343-04
Sample Date	8/29/2018	8/29/2018
Sample Depth (ft)	0 to 2	12 to 13
VOC (mg/kg)		
Total VOCs	NE	NE
SVOC (mg/kg)		
Indeno(1,2,3-cd)pyrene	0.682 D	ND
Pesticides (mg/kg)		
Total Pesticides	NE	ND
PCB (mg/kg)		
Total PCBs	ND	ND
Metals (mg/kg)		
Total Metals	NE	NE

Sample ID	Stockpile-S
Lab Sample ID	18H1425-12
Sample Date	8/30/2018
Sample Depth (ft)	Surface Sample
VOC (mg/kg)	
Total VOCs	ND
SVOC (mg/kg)	
Benzolanthracene	3.66 D
Benzolopyrene	3.8 D
Benzofluoranthene	2.66 DE
Benzokifluoranthene	2.67 DE
Chrysene	3.74 D
Dibenzolanthracene	0.686 D
Indeno(1,2,3-cd)pyrene	2.21 D
Pesticides (mg/kg)	
4,4'-DDT	0.00737 D
PCB (mg/kg)	
Total PCBs	NE
Metals (mg/kg)	
Lead	80.1
Zinc	316

Sample ID	SP20 0-2	SP20 10-11
Lab Sample ID	18H1343-01	18H1343-02
Sample Date	8/29/2018	8/29/2018
Sample Depth (ft)	0 to 2	10 to 11
VOC (mg/kg)		
Total VOCs	NE	ND
SVOC (mg/kg)		
Benzofluoranthene	0.884 D	NE
Indeno(1,2,3-cd)pyrene	0.661 D	NE
Pesticides (mg/kg)		
4,4'-DDD	0.00508 DP	ND
4,4'-DDE	0.00374 D	ND
4,4'-DDT	0.00422 D	ND
PCB (mg/kg)		
Total PCBs	ND	ND
Metals (mg/kg)		
Arsenic	NE	13.9
Copper	NE	243
Lead	NE	488
Nickel	NE	56.7
Zinc	NE	636

Sample ID	Stockpile-NE	Stockpile-NW
Lab Sample ID	18H1425-13	18H1425-14
Sample Date	8/30/2018	8/30/2018
Sample Depth (ft)	Surface Sample	Surface Sample
VOC (mg/kg)		
Total VOCs	ND	ND
SVOC (mg/kg)		
Benzolanthracene	3.99 D	2.73 DE
Benzolopyrene	3.64 D	2.82 DE
Benzofluoranthene	2.8 DE	2.37 DE
Benzokifluoranthene	2.71 DE	2.44 DE
Chrysene	3.75 D	2.78 DE
Dibenzolanthracene	0.752 D	0.679 D
Indeno(1,2,3-cd)pyrene	2.29 D	1.99 D
Pesticides (mg/kg)		
4,4'-DDT	0.01740 D	0.01160 D
PCB (mg/kg)		
Total PCBs	NE	NE
Metals (mg/kg)		
Zinc	118	134

- GENERAL NOTES:**
- EXISTING INFORMATION TAKEN FROM TOPOGRAPHIC AND BOUNDARY SURVEY PREPARED BY FEHRINGER SURVEYING, P.C., DATED 14 MARCH 2011.
 - ALL LOCATIONS AND DISTANCES ARE APPROXIMATE.
 - ALL ELEVATIONS ARE SHOWN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
 - FT = FEET
 - THE 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 (6 NYCRR) PART 375 UNRESTRICTED USE AND RESTRICTED USE RESTRICTED-RESIDENTIAL SOIL CLEANUP OBJECTIVES (SCOs).
 - NYSDEC PART 375 UNRESTRICTED USE SCOs EXCEEDANCES ARE BOLDED.
 - NYSDEC PART 375 RESTRICTED-RESIDENTIAL SCOs EXCEEDANCES ARE HIGHLIGHTED.
 - MG/KG = MILLIGRAMS PER KILOGRAM.
 - VOCs = VOLATILE ORGANIC COMPOUNDS
 - SVOCs = SEMIVOLATILE ORGANIC COMPOUNDS
 - PCBs = POLYCHLORINATED BIPHENYLS
 - D = RESULT IS FROM AN ANALYSIS THAT REQUIRED A DILUTION.
 - ND = NOT DETECTED.
 - NE = DETECTED AT CONCENTRATION(S) NOT EXCEEDING EITHER SCO.
 - P = THIS FLAG IS USED FOR PESTICIDE AND PCB (AROC/LOR) TARGET COMPOUNDS WHEN THERE IS A % DIFFERENCE FOR DETECTED CONCENTRATIONS THAT EXCEED METHOD DICTATED LIMITS BETWEEN THE TWO GC COLUMNS USED FOR ANALYSIS.
 - B = ANALYTE FOUND IN THE ANALYSIS BATCH BLANK.



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Project
CSX PARCEL
BLOCK No. 3244, LOT No. 1
BLOCK No. 3245, LOT No. 3
BRONX NEW YORK

Figure Title
SOIL BORING LOCATIONS AND RESULTS MAP

Project No.
170502901
Date
09/10/2018
Drawn By
SS
Checked By
JL
Figure No.
3
Sheet 3 of 5

- LEGEND:**
- BLOCK No. 3244, LOT No. 1 AND BLOCK No. 3245, LOT No. 3
 - TAX LOT BOUNDARY
 - APPROXIMATE EXTENT OF METRO-NORTH RAILROAD
 - ◆ SP-01 SHALLOW SOIL PROBE LOCATION
 - ◆ SP-16 SOIL PROBE LOCATION
 - ◆ SPMM-13 CO-LOCATED SOIL PROBE AND TEMPORARY MONITORING WELL
 - ◆ SPMM/SV-11 CO-LOCATED SOIL PROBE, TEMPORARY MONITORING WELL AND SOIL VAPOR PROBE



Analyte	NYSDEC TOGS Standards and Guidance Values - GA
SVOCs (µg/l)	
Benzo(a)anthracene	0.002
Benzo(a)pyrene	0.002
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
Bis(2-ethylhexyl)phthalate	5
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002
Metals (µg/l)	
Antimony	3
Barium	1000
Cadmium	5
Chromium	50
Copper	200
Cyanide	200
Lead	25
Magnesium	35000
Manganese	300
Selenium	10
Sodium	20000
Zinc	2000

TMW14	
Sample ID	TMW14_083118
Laboratory ID	1810021-05
Sampling Date	8/31/2018
VOCs (µg/l)	
Total VOCs	NE
SVOCs (µg/l)	
Bis(2-ethylhexyl)phthalate	8.94
PCBs (µg/l)	
Total PCBs	ND
Total Metals (µg/l)	
Antimony	3.15
Cadmium	12
Chromium	50.7
Cyanide	3330 D
Lead	460
Magnesium	70200
Manganese	10200
Selenium	57.7 B
Sodium	1240000
Zinc	3700
Dissolved Metals (µg/l)	
Magnesium (Dissolved)	49000
Selenium (Dissolved)	33.4 B
Sodium (Dissolved)	1240000

TMW15	
Sample ID	TMW15_083018
Laboratory ID	18H1425-11
Sampling Date	8/30/2018
VOCs (µg/l)	
Total VOCs	NE
SVOCs (µg/l)	
Total SVOCs	NE
PCBs (µg/l)	
Total PCBs	ND
Total Metals (µg/l)	
Magnesium	360000
Manganese	516
Chromium	105
Selenium	3590000 BD
Sodium	3590000 BD
Dissolved Metals (µg/l)	
Magnesium (Dissolved)	357000
Manganese (Dissolved)	516
Selenium (Dissolved)	114
Sodium (Dissolved)	3700000 BD

TMW18	
Sample ID	TMW18_090418
Laboratory ID	1810093-01
Sampling Date	9/4/2018
VOCs (µg/l)	
Total VOCs	NE
SVOCs (µg/l)	
Total SVOCs	NE
PCBs (µg/l)	
Total PCBs	ND
Total Metals (µg/l)	
Antimony	15.3
Barium	1280
Cadmium	12.7
Chromium	69.7
Copper	363
Lead	9520
Magnesium	36400
Manganese	3360
Selenium	23.7
Sodium	409000
Zinc	2150
Dissolved Metals (µg/l)	
Antimony (Dissolved)	14.8
Magnesium (Dissolved)	647
Sodium (Dissolved)	404000

TMW11	
Sample ID	TMW11_083118
Laboratory ID	1810021-04
Sampling Date	8/31/2018
VOCs (µg/l)	
Total VOCs	NE
SVOCs (µg/l)	
Chrysene	0.051
PCBs (µg/l)	
Total PCBs	ND
Total Metals (µg/l)	
Lead	175
Manganese	697
Sodium	234000
Dissolved Metals (µg/l)	
Manganese (Dissolved)	675
Sodium (Dissolved)	245000

TMW12	
Sample ID	TMW12_083118
Laboratory ID	1810021-03
Sampling Date	8/31/2018
VOCs (µg/l)	
Total VOCs	NE
SVOCs (µg/l)	
Benzo(a)anthracene	0.303
Benzo(a)pyrene	0.454
Benzo(b)fluoranthene	0.400
Benzo(k)fluoranthene	0.357
Chrysene	0.292
Indeno(1,2,3-cd)pyrene	0.389
PCBs (µg/l)	
Total PCBs	ND
Total Metals (µg/l)	
Lead	999
Manganese	2460
Selenium	14.9
Sodium	312000
Dissolved Metals (µg/l)	
Manganese (Dissolved)	1860
Sodium (Dissolved)	318000

TMW20	
Sample ID	TMW20_090418
Laboratory ID	1810093-02
Sampling Date	9/4/2018
VOCs (µg/l)	
Total VOCs	NE
SVOCs (µg/l)	
Benzo(a)anthracene	0.0615
Benzo(a)pyrene	0.0513
Benzo(b)fluoranthene	0.0615
Benzo(k)fluoranthene	0.0513
Chrysene	0.0615
PCBs (µg/l)	
Total PCBs	ND
Total Metals (µg/l)	
Antimony	4.79
Copper	223
Lead	651
Manganese	712
Sodium	165000
Dissolved Metals (µg/l)	
Manganese (Dissolved)	487
Sodium (Dissolved)	159000

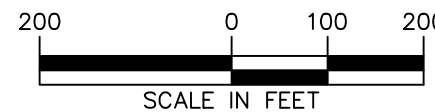


LEGEND:

- BLOCK No. 3244, LOT No. 1 AND BLOCK No. 3245, LOT No. 3
- - - TAX LOT BOUNDARY
- APPROXIMATE EXTENT OF METRO-NORTH RAILROAD
- SP-16 SOIL PROBE LOCATION
- SP/MW-13 CO-LOCATED SOIL PROBE AND TEMPORARY MONITORING WELL
- SP/MW/SV-11 CO-LOCATED SOIL PROBE, TEMPORARY MONITORING WELL AND SOIL VAPOR PROBE

GENERAL NOTES:

- EXISTING INFORMATION TAKEN FROM TOPOGRAPHIC AND BOUNDARY SURVEY PREPARED BY FEHRINGER SURVEYING, P.C., DATED 14 MARCH 2011.
- ALL LOCATIONS AND DISTANCES ARE APPROXIMATE.
- ALL ELEVATIONS ARE SHOWN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- FT = FEET
- GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS (AWQS) AND GUIDANCE VALUES FOR CLASS GA - DRINKING WATER.
- NYSDEC TOGS STANDARDS AND GUIDANCE VALUES EXCEEDANCES ARE BOLDED.
- µg/l = MICROGRAMS PER LITER.
- VOCs = VOLATILE ORGANIC COMPOUNDS
- SVOCs = SEMIVOLATILE ORGANIC COMPOUNDS
- PCBs = POLYCHLORINATED BIPHENYLS
- ND = NOT DETECTED.
- NE = DETECTED AT CONCENTRATION(S) NOT EXCEEDING THE TOGS 1.1.1 SGVs.
- D = THE SAMPLE WAS DILUTED; SEE LABORATORY ANALYTICAL REPORT FOR DILUTION FACTOR.



LANGAN Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 T: 212.479.5400 F: 212.479.5444 www.langan.com	Project CSX PARCEL BLOCK No. 3244, LOT No. 1 BLOCK No. 3245, LOT No. 3 BRONX NEW YORK	Figure Title GROUNDWATER SAMPLE LOCATIONS AND RESULTS MAP	Project No. 170502901 Date 09/10/2018 Drawn By SS Checked By JL	Figure No. 4 Sheet 4 of 5
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DRAFT



SV11	
Sample ID	SV11_083118
Lab Sample ID	1810007-03
Sampling Date	8/31/2018
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	350.0 D
1,3,5-Trimethylbenzene	300.0 D
1,3-Butadiene	120.0 D
2-Butanone	440.0 D
4-Methyl-2-pentanone	340.0 DE
Acetone	1800.0 D
Benzene	1500.0 D
Carbon disulfide	1400.0 D
Chloromethane	15.0 D
cis-1,2-Dichloroethylene	53.0 D
Cyclohexane	760.0 D
Ethyl Benzene	1000.0 D
Isopropanol	17.0 D
Methyl tert-butyl ether (MTBE)	5600.0 D
n-Heptane	1600.0 D
n-Hexane	2000.0 D
p-Xylene	1100.0 D
p- & m- Xylenes	2000.0 D
p-Ethyltoluene	610.0 D
Propylene	2300.0 D
Tetrachloroethylene	32.0 D
Toluene	1600.0 D
Trichloroethylene	46.0 D
Methane (µg/m³)	
Methane	5.887 D

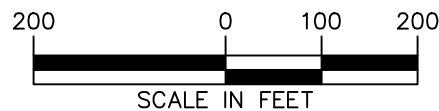
SV12	
Sample ID	SV12_083118
Lab Sample ID	1810007-02
Sampling Date	8/31/2018
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	25.0 D
1,3,5-Trimethylbenzene	10.0 D
2-Butanone	60.0 D
2-Hexanone	23.0 D
4-Methyl-2-pentanone	9.9 D
Acetone	240.0 D
Benzene	47.0 D
Bromodichloromethane	66.0 D
Carbon disulfide	510.0 D
Chloroform	440.0 D
Cyclohexane	10.0 D
Dibromochloromethane	6.9 D
Ethyl Benzene	24.0 D
Isopropanol	5.2 D
Methyl tert-butyl ether (MTBE)	4.3 D
Methylene chloride	7.9 D
n-Heptane	15.0 D
n-Hexane	13.0 D
p-Xylene	23.0 D
p- & m- Xylenes	46.0 D
p-Ethyltoluene	23.0 D
Propylene	26.0 D
Styrene	9.9 D
Tetrachloroethylene	11.0 D
Toluene	33.0 D
Trichloroethylene	6.3 D
Trichlorofluoromethane (Freon 11)	37.0 D
Methane (µg/m³)	
Methane	0.041 D

SV15	
Sample ID	SV15_083118
Lab Sample ID	1810007-01
Sampling Date	8/31/2018
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	25.0 D
1,3,5-Trimethylbenzene	9.9 D
2-Butanone	36.0 D
2-Hexanone	18.0 D
Acetone	130.0 D
Benzene	2.6 D
Carbon disulfide	22.0 D
Chloroform	8.1 D
Ethyl Benzene	12.0 D
Isopropanol	4.3 D
Methylene chloride	5.0 D
n-Heptane	4.2 D
n-Hexane	3.8 D
p-Xylene	22.0 D
p- & m- Xylenes	45.0 D
p-Ethyltoluene	24.0 D
Propylene	24.0 D
Tetrachloroethylene	17.0 D
Toluene	19.0 D
Methane (µg/m³)	
Methane	ND

SV18	
Sample ID	SV18_090418
Lab Sample ID	1810094-01
Sampling Date	9/4/2018
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	13.8 D
1,3,5-Trimethylbenzene	6.4 D
2-Butanone	85.5 D
2-Hexanone	49.1 D
Acetone	92.6 D
Carbon disulfide	5.6 D
Chloroform	8.3 D
Ethyl Benzene	4.3 D
p-Xylene	11.3 D
p- & m- Xylenes	17.4 D
p-Ethyltoluene	10.8 D
Propylene	6.5 D
Toluene	4.1 D
Methane (µg/m³)	
Methane	ND

SV20	
Sample ID	SV20_090418
Lab Sample ID	1810094-02
Sampling Date	9/4/2018
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	29.0 D
1,3,5-Trimethylbenzene	11.8 D
2-Butanone	147.4 D
2-Hexanone	86.0 D
Acetone	332.4 D
Carbon disulfide	5.3 D
Ethyl Benzene	6.5 D
n-Heptane	5.3 D
p-Xylene	17.4 D
p- & m- Xylenes	27.3 D
p-Ethyltoluene	20.6 D
Propylene	11.2 D
Tetrachloroethylene	21.0 D
Toluene	5.7 D
Trichlorofluoromethane (Freon 11)	54.5 D
Methane (µg/m³)	
Methane	ND

Analyte	NYSDOH AGV
VOCs (µg/m³)	
1,2,4-Trimethylbenzene	-
1,3,5-Trimethylbenzene	-
1,3-Butadiene	-
2-Butanone	-
2-Hexanone	-
4-Methyl-2-pentanone	-
Acetone	-
Benzene	-
Bromodichloromethane	-
Carbon disulfide	-
Chloroform	-
Chloromethane	-
cis-1,2-Dichloroethylene	-
Cyclohexane	-
Dibromochloromethane	-
Ethyl Benzene	-
Isopropanol	-
Methyl tert-butyl ether (MTBE)	-
Methylene chloride	60
n-Heptane	-
n-Hexane	-
p-Xylene	-
p- & m- Xylenes	-
p-Ethyltoluene	-
Propylene	-
Styrene	-
Tetrachloroethylene	30
Toluene	-
Trichloroethylene	2
Trichlorofluoromethane (Freon 11)	-
Total VOCs	-



LEGEND:

- BLOCK No. 3244, LOT No. 1 AND BLOCK No. 3245, LOT No. 3
- - - TAX LOT BOUNDARY
- APPROXIMATE EXTENT OF METRO-NORTH RAILROAD
- ⊙ SPMW/SV-11 CO-LOCATED SOIL BORING, TEMPORARY MONITORING WELL AND SOIL VAPOR PROBE

GENERAL NOTES:

1. EXISTING INFORMATION TAKEN FROM TOPOGRAPHIC AND BOUNDARY SURVEY PREPARED BY FEHRINGER SURVEYING, P.C., DATED 14 MARCH 2011.
2. ALL LOCATIONS AND DISTANCES ARE APPROXIMATE.
3. ALL ELEVATIONS ARE SHOWN IN THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
5. SOIL VAPOR SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH) AIR GUIDANCE VALUES (AGVs).
6. ONLY DETECTED COMPOUNDS ARE SHOWN.
7. CONCENTRATIONS EXCEEDING NYSDOH AGVs ARE BOLD.
8. VOCs = VOLATILE ORGANIC COMPOUNDS
9. µg/m3 = MICROGRAMS PER CUBIC METER
10. FT = FEET
11. ND = NOT DETECTED.
12. D = RESULT IS FROM AN ANALYSIS THAT REQUIRED A DILUTION.

DRAFT

<p>Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor New York, NY 10001 T: 212.479.5400 F: 212.479.5444 www.langan.com</p>	<p>Project CSX PARCEL BLOCK No. 3244, LOT No. 1 BLOCK No. 3245, LOT No. 3 BRONX NEW YORK</p>	<p>Figure Title SOIL VAPOR LOCATIONS AND RESULTS MAP</p>	<p>Project No. 170502901</p>	<p>Figure No. 5</p>
	<p>Project No. 170502901</p>	<p>Date 09/11/2018</p>	<p>Drawn By SS</p>	<p>Checked By JL</p>

TABLES

**Table 1
Sample Summary
CSX Parcel
320 Fordham Road Bronx, New York
Langan Project No. 170502901**

Sample No.	Sample Date	Sample Name	Sample Location	Sample Depth (feet bgs) or Location	Sample Media	Analytical Laboratory Report	Analyses
SOIL							
1	7/26/2018	SP01_0-1	SP01	0 to 1	Historic Fill	18G1148	VOCs, SVOCs, metals (including hexavalent and trivalent chromium), cyanide, PCBs, and pesticides
2	7/26/2018	SP02_0-1	SP02	0 to 1	Historic Fill		
3	7/26/2018	SP03_0-1	SP03	0 to 1	Historic Fill		
4	7/26/2018	SP04_0-1	SP04	0 to 1	Historic Fill		
5	7/26/2018	SP05_0-1	SP05	0 to 1	Historic Fill		
6	7/26/2018	SP06_0-1	SP06	0 to 1	Historic Fill		
7	7/26/2018	SP07_1-2	SP07	1 to 2	Historic Fill		
8	7/26/2018	SP08_0-1	SP08	0 to 1	Historic Fill		
9	7/26/2018	SP09_1-2	SP09	1 to 2	Historic Fill		
10	7/26/2018	SP10_1-2	SP10	1 to 2	Historic Fill		
11	8/31/2018	SP11_1-2	SP-11	1 to 2	Historic Fill	18I0021	
12	8/31/2018	SP11_5-6		5 to 6	Historic Fill		
13	8/30/2018	SP12_0-2	SP-12	0 to 2	Historic Fill	18H1425	
14	8/30/2018	SP12_6-7		6 to 7	Historic Fill		
15	8/30/2018	SP13_0-2	SP-13	0 to 2	Historic Fill		
16	8/30/2018	SP13_7-8		7 to 8	Historic Fill		
17	8/30/2018	SP14_0-2	SP-14	0 to 2	Historic Fill		
18	8/30/2018	SP14_9-10		9 to 10	Historic Fill		
19	8/30/2018	SP15_0-2	SP-15	0 to 2	Historic Fill		
20	8/30/2018	SP15_10-11		10 to 11	Historic Fill		
21	8/30/2018	SP16_0-2	SP-16	0 to 2	Historic Fill		
22	8/30/2018	SP16_10-11		10 to 11	Historic Fill		
23	8/29/2018	SP18_0-2	SP-18	0 to 1	Historic Fill	18H1343	
24	8/29/2018	SP18_10-11		10 to 11	Historic Fill		
25	8/29/2018	SP19_0-2	SP-19	0 to 2	Historic Fill		
26	8/29/2018	SP19_12-13		12 to 13	Historic Fill		
27	8/29/2018	SP20_0-2	SP-20	0 to 2	Historic Fill		
28	8/29/2018	SP20_10-11		10 to 11	Historic Fill		
29	8/30/2018	Stockpile-NE	Northern Stockpile	Northeast side of north stockpile	Historic Fill	18H1425	
30	8/30/2018	Stockpile-NW	Northern Stockpile	Northwest side of north stockpile	Historic Fill		
31	8/30/2018	Stockpile-S	Southern Stockpile	South side of south stockpile	Historic Fill		
GROUNDWATER							
1	8/31/2018	TMW11_083118	TMW11	0 to 10	Groundwater	18I0021	VOCs, SVOCs, PCBs, and metals including trivalent and hexavalent chromium (total and dissolved)
2	8/31/2018	TMW12_083118	TMW12	2 to 12	Groundwater		
3	8/31/2018	TMW14_083118	TMW14	4 to 14	Groundwater		
4	8/30/2018	TMW15_083018	TMW15	10 to 20	Groundwater	18H1425	VOCs, SVOCs, PCBs, metals including trivalent and hexavalent chromium (total and dissolved) and NYSDEC target list PFAS
5	9/4/2018	TMW18_090418	TMW18	6 to 16	Groundwater	18I0093	VOCs, SVOCs, PCBs, and metals including trivalent and hexavalent chromium (total and dissolved)
6	9/4/2018	TMW20_090418	TMW20	6 to 16	Groundwater		VOCs, SVOCs, PCBs, metals including trivalent and hexavalent chromium (total and dissolved) and NYSDEC target list PFAS
SOIL VAPOR							
1	8/31/2018	SV11_083118	SV-11	3	Soil Vapor	18I007	VOCs and methane
2	8/31/2018	SV12_083118	SV-12	4	Soil Vapor		
3	8/31/2018	SV15_083118	SV-15	8	Soil Vapor		
4	9/4/2018	SV18_090418	SV-18	6	Soil Vapor	18I0094	
5	9/4/2018	SV20_090418	SV-20	8	Soil Vapor		
QA/QC							
1	7/26/2018	TB01_07272018	N/A	N/A	Trip Blank	18G1148	TCL VOCs
2	8/29/2018	TB02_082918	N/A	N/A	Trip Blank	18H1343	
3	8/30/2018	TB03_083018	N/A	N/A	Trip Blank	18H1425	
4	8/31/2018	TB04_083118	N/A	N/A	Trip Blank	18I0021	
5	9/4/2018	TB05_090418	N/A	N/A	Trip Blank	18I0093	

Notes:

1. QA/QC = Quality Assurance/Quality Control
2. TCL = Target Compound List
3. VOCs = Volatile Organic Compounds
4. SVOCs = Semivolatile Organic Compounds
5. PCBs = Polychlorinated Biphenyls
6. PFAS = Per- and polyfluoroalkyl substances
7. N/A = Not applicable
8. bgs = below grade surface
9. Dissolved metals were field filtered

Table 2A
Soil Sample Analytical Results Summary (VOCs and SVOCs)
CSX Parcel
Bronx, New York
Project No. 170502901

Sample ID Laboratory Sample ID Sampling Date Sample Depth (feet bgs)	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	SP-01_0-1 18G1148-01 7/26/2018 0 to 1	SP-02_0-1 18G1148-02 7/26/2018 0 to 1	SP-03_0-1 18G1148-03 7/26/2018 0 to 1	SP-04_0-1 18G1148-04 7/26/2018 0 to 1	SP-05_0-1 18G1148-05 7/26/2018 0 to 1	SP-06_0-1 18G1148-06 7/26/2018 0 to 1	SP-07_1-2 18G1148-07 7/26/2018 1 to 2	SP-08_0-1 18G1148-08 7/26/2018 0 to 1
Volatile Organic Compounds (mg/kg)										
1,2,4-Trimethylbenzene	3.6	52	0.0023 U	0.0026 U	0.004 U	0.0024 U	0.0026 U	0.0022 U	0.0021 U	0.0026 U
1,3,5-Trimethylbenzene	8.4	52	0.0023 U	0.0026 U	0.004 U	0.0024 U	0.0026 U	0.0022 U	0.0021 U	0.0026 U
2-Butanone	0.12	100	0.0031 J	0.0026 U	0.004 U	0.003 J	0.0026 U	0.0022 U	0.0021 U	0.0026 U
Acetone	0.05	100	0.03	0.0093 J	0.029	0.043	0.017	0.0087 J	0.027	0.018
Carbon disulfide	~	~	0.0023 U	0.0026 U	0.004 U	0.0024 U	0.0026 U	0.0022 U	0.0021 U	0.0026 U
Isopropylbenzene	~	~	0.0023 U	0.0026 U	0.004 U	0.0024 U	0.0026 U	0.0022 U	0.0021 U	0.0026 U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0023 U	0.0026 U	0.004 U	0.0024 U	0.0026 U	0.0022 U	0.0021 U	0.0026 U
Methylene chloride	0.05	100	0.0054 J	0.0052 U	0.008 U	0.0068 J	0.0072 J	0.0052 J	0.0054 J	0.0058 J
n-Butylbenzene	12	100	0.0023 U	0.0026 U	0.004 U	0.0024 U	0.0026 U	0.0022 U	0.0021 U	0.0026 U
p-Isopropyltoluene	~	~	0.0023 U	0.0026 U	0.004 U	0.0024 U	0.0026 U	0.0022 U	0.0021 U	0.0026 U
sec-Butylbenzene	11	100	0.0023 U	0.0026 U	0.004 U	0.0024 U	0.0026 U	0.0022 U	0.0021 U	0.0026 U
tert-Butyl alcohol (TBA)	~	~	0.0023 U	0.0026 U	0.004 U	0.0024 U	0.0026 U	0.0068	0.0021 U	0.0026 U
Semivolatile Organic Compounds (mg/kg)										
2,4-Dinitrotoluene	~	~	0.0528 U	1.08 D	0.0476 U	0.227 U	0.231 U	0.223 U	0.0472 U	0.0545 U
2-Methylnaphthalene	~	~	0.0528 U	0.0497 U	0.0476 U	0.227 U	0.231 U	0.223 U	0.0472 U	0.0545 U
Acenaphthene	20	100	0.0528 U	0.0497 U	0.0476 U	0.227 U	0.231 U	0.223 U	0.0472 U	0.0545 U
Acenaphthylene	100	100	0.0528 U	0.432 D	0.0476 U	0.227 U	0.231 U	0.405 JD	0.0542 JD	0.0774 JD
Anthracene	100	100	0.0528 U	0.219 D	0.0476 U	0.227 U	0.231 U	0.938 D	0.0692 JD	0.112 D
Benzo(a)anthracene	1	1	0.0528 U	0.731 D	0.0476 U	0.442 JD	0.231 U	2.08 D	0.254 D	0.417 D
Benzo(a)pyrene	1	1	0.0528 U	0.784 D	0.0476 U	0.398 JD	0.231 U	1.63 D	0.29 D	0.434 D
Benzo(b)fluoranthene	1	1	0.0528 U	1.09 D	0.0476 U	0.387 JD	0.231 U	1.43 D	0.259 D	0.376 D
Benzo(g,h,i)perylene	100	100	0.0528 U	0.587 D	0.0476 U	0.264 JD	0.231 U	1.19 D	0.225 D	0.298 D
Benzo(k)fluoranthene	0.8	3.9	0.0528 U	0.932 D	0.0476 U	0.337 JD	0.231 U	1.46 D	0.236 D	0.365 D
Benzyl butyl phthalate	~	~	0.0528 U	0.0497 U	0.0476 U	0.227 U	0.231 U	0.223 U	0.0472 U	0.0939 JD
Bis(2-ethylhexyl)phthalate	~	~	0.0581 JBD	31 BDE	0.0478 JBD	0.227 U	0.231 U	0.223 U	0.123 BD	0.0748 JBD
Carbazole	~	~	0.0528 U	0.0761 JD	0.0476 U	0.227 U	0.231 U	0.281 JD	0.0472 U	0.0545 U
Chrysene	1	3.9	0.0528 U	0.891 D	0.0476 U	0.5 D	0.231 U	1.88 D	0.294 D	0.415 D
Dibenzo(a,h)anthracene	0.33	0.33	0.0528 U	0.201 D	0.0476 U	0.227 U	0.231 U	0.362 JD	0.0722 JD	0.11 D
Dibenzofuran	7	59	0.0528 U	0.0497 U	0.0476 U	0.227 U	0.231 U	0.341 JD	0.0472 U	0.0545 U
Di-n-octyl phthalate	~	~	0.0528 U	0.0856 JD	0.0476 U	0.227 U	0.231 U	0.223 U	0.0472 U	0.0545 U
Fluoranthene	100	100	0.132 D	1.27 D	0.115 D	0.866 D	0.231 U	4.27 D	0.46 D	0.775 D
Fluorene	30	100	0.0528 U	0.0497 U	0.0476 U	0.227 U	0.231 U	0.604 D	0.0472 U	0.0545 U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0528 U	0.548 D	0.0476 U	0.261 JD	0.231 U	1.09 D	0.186 D	0.256 D
Naphthalene	12	100	0.0528 U	0.0497 U	0.0476 U	0.227 U	0.231 U	0.259 JD	0.0472 U	0.0545 U
Phenanthrene	100	100	0.096 JD	0.153 D	0.0729 JD	0.435 JD	0.231 U	3.2 D	0.163 D	0.327 D
Pyrene	100	100	0.101 JD	1.07 D	0.0851 JD	0.775 D	0.279 JD	3.8 D	0.464 D	0.717 D

Notes and Qualifiers:

- The 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 (6 NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCOs).
- Compounds with detections are shown in the table.
- NYSDEC Part 375 Unrestricted Use SCOs exceedances are bolded.
- NYSDEC Part 375 Restricted-Residential SCOs exceedances are highlighted.
- mg/kg = milligrams per kilogram
- ~ = Criterion does not exist.
- bgs = below grade surface
- E = Result is estimated and cannot be accurately reported due to levels encountered or interferences.
- D = Result is from an analysis that required a dilution.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the Reporting Limit (RL); the value shown in the table is the RL.
- J = Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated.
- B = Analyte found in the analysis batch blank.

Table 2A
Soil Sample Analytical Results Summary (VOCs and SVOCs)
CSX Parcel
Bronx, New York
Project No. 170502901

Sample ID	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	SP-09_1-2 18G1148-09 7/26/2018 1 to 2	SP-10_1-2 18G1148-10 7/26/2018 1 to 2	SP11_1-2 18I0021-01 8/31/2018 0 to 2	SP11_5-6 18I0021-02 8/31/2018 5 to 6	SP12_0-2 18H1425-09 8/30/2018 0 to 2	SP12_6-7 18H1425-10 8/30/2018 6 to 7	SP13_0-2 18H1425-07 8/30/2018 0 to 2	SP13_7-8 18H1425-08 8/30/2018 7 to 8	SP14_0-2 18H1425-05 8/30/2018 0 to 2							
Volatile Organic Compounds (mg/kg)																		
1,2,4-Trimethylbenzene	3.6	52	0.014	0.0018	U	0.0015	J	0.0025	U	0.0017	U	0.0022	U	0.0019	U	0.0021	U	
1,3,5-Trimethylbenzene	8.4	52	0.0067	0.0018	U	0.0016	J	0.0025	U	0.0017	U	0.0022	U	0.0019	U	0.0021	U	
2-Butanone	0.12	100	0.0046	J	0.0034	J	0.0025	J	0.0086	0.0017	U	0.0038	J	0.0022	U	0.0019	U	
Acetone	0.05	100	0.054	0.03		0.0092		0.037		0.0091		0.02		0.0044	U	0.0038	U	
Carbon disulfide	~	~	0.0032	J	0.0019	J	0.0015	U	0.0025	U	0.0017	U	0.0022	U	0.0022	U	0.0019	U
Isopropylbenzene	~	~	0.0024	U	0.015		0.0015	U	0.0025	U	0.0017	U	0.0022	U	0.0022	U	0.0019	U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0024	U	0.0018	U	0.0015	U	0.012	0.0017	U	0.0022	U	0.0022	U	0.0019	U	
Methylene chloride	0.05	100	0.0059	J	0.0036	U	0.0031	U	0.0051	U	0.0033	U	0.0044	U	0.0044	U	0.0038	U
n-Butylbenzene	12	100	0.0056		0.0018	U	0.0015	U	0.0025	U	0.0017	U	0.0022	U	0.0022	U	0.0019	U
p-Isopropyltoluene	~	~	0.005		0.047		0.0015	U	0.0025	U	0.0017	U	0.0022	U	0.0022	U	0.0019	U
sec-Butylbenzene	11	100	0.0028	J	0.0018	U	0.0015	U	0.0025	U	0.0017	U	0.0022	U	0.0022	U	0.0019	U
tert-Butyl alcohol (TBA)	~	~	0.0024	U	0.0018	U	0.0015	U	0.034	0.0017	U	0.0022	U	0.0022	U	0.0019	U	
Semivolatile Organic Compounds (mg/kg)																		
2,4-Dinitrotoluene	~	~	0.0465	U	0.0489	U	0.0455	U	0.0503	U	0.0449	U	0.0492	U	0.0456	U	0.0471	U
2-Methylnaphthalene	~	~	0.0571	JD	0.0489	U	0.131	D	0.0503	U	0.0449	U	0.0492	U	0.0456	U	0.0471	U
Acenaphthene	20	100	0.0608	JD	0.0489	U	0.0455	U	0.0503	U	0.0449	U	0.0492	U	0.0456	U	0.0471	U
Acenaphthylene	100	100	0.08	JD	0.0866	JD	0.241	D	0.0503	U	0.0845	JD	0.216	D	0.0456	U	0.0496	JD
Anthracene	100	100	0.131	D	0.172	D	0.143	D	0.0503	U	0.123	D	0.207	D	0.0456	U	0.0471	U
Benzo(a)anthracene	1	1	0.325	D	0.514	D	0.448	D	0.0883	JD	0.386	D	0.818	D	0.234	D	0.163	D
Benzo(a)pyrene	1	1	0.265	D	0.357	D	0.603	D	0.101	D	0.382	D	0.723	D	0.217	D	0.169	D
Benzo(b)fluoranthene	1	1	0.23	D	0.3	D	0.574	D	0.0883	JD	0.34	D	0.637	D	0.193	D	0.169	D
Benzo(g,h,i)perylene	100	100	0.192	D	0.3	D	0.364	D	0.0674	JD	0.294	D	0.52	D	0.158	D	0.107	D
Benzo(k)fluoranthene	0.8	3.9	0.229	D	0.354	D	0.472	D	0.0835	JD	0.403	D	0.648	D	0.172	D	0.161	D
Benzyl butyl phthalate	~	~	0.0465	U	0.0585	JD	1.08	D	0.0503	U	0.0594	JD	0.0492	U	0.0456	U	0.0471	U
Bis(2-ethylhexyl)phthalate	~	~	0.11	BD	0.0489	U	8.02	BD	0.0503	U	0.198	D	0.0492	U	0.0456	U	0.0471	U
Carbazole	~	~	0.0465	U	0.0489	U	0.0455	U	0.0503	U	0.0449	U	0.0492	U	0.0456	U	0.0471	U
Chrysene	1	3.9	0.33	D	0.479	D	0.516	D	0.0923	JD	0.411	D	0.787	D	0.229	D	0.166	D
Dibenzo(a,h)anthracene	0.33	0.33	0.0645	JD	0.141	D	0.118	D	0.0503	U	0.0702	JD	0.136	D	0.0456	U	0.0471	U
Dibenzofuran	7	59	0.0465	U	0.0489	U	0.0455	U	0.0503	U	0.0449	U	0.0492	U	0.0456	U	0.0471	U
Di-n-octyl phthalate	~	~	0.0465	U	0.0489	U	0.0455	U	0.0503	U	0.0449	U	0.0492	U	0.0456	U	0.0471	U
Fluoranthene	100	100	0.664	D	0.951	D	0.934	D	0.203	D	0.673	D	1.45	D	0.311	D	0.18	D
Fluorene	30	100	0.0941	D	0.0489	U	0.0588	JD	0.0503	U	0.0449	U	0.0492	U	0.0456	U	0.0471	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.166	D	0.255	D	0.349	D	0.0594	JD	0.304	D	0.54	D	0.161	D	0.123	D
Naphthalene	12	100	0.0465	U	0.0489	U	0.0937	D	0.0503	U	0.0449	U	0.0492	U	0.0456	U	0.0471	U
Phenanthrene	100	100	0.419	D	0.567	D	0.25	D	0.127	D	0.345	D	0.538	D	0.0872	JD	0.0534	JD
Pyrene	100	100	0.664	D	0.942	D	0.939	D	0.159	D	0.699	D	1.27	D	0.351	D	0.186	D

Notes and Qualifiers:

- The 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 (6 NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCOs).
- Compounds with detections are shown in the table.
- NYSDEC Part 375 Unrestricted Use SCOs exceedances are bolded.
- NYSDEC Part 375 Restricted-Residential SCOs exceedances are highlighted.
- mg/kg = milligrams per kilogram
- ~ = Criterion does not exist.
- bgs = below grade surface
- E = Result is estimated and cannot be accurately reported due to levels encountered or interferences.
- D = Result is from an analysis that required a dilution.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the Reporting Limit (RL); the value shown in the table is the RL.
- J = Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated.
- B = Analyte found in the analysis batch blank.

Table 2A
Soil Sample Analytical Results Summary (VOCs and SVOCs)
CSX Parcel
Bronx, New York
Project No. 170502901

Sample ID	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	SP14_9-10 18H1425-06 8/30/2018 9 to 10	SP15_0-2 18H1425-03 8/30/2018 0 to 2	SP15_10-11 18H1425-04 8/30/2018 10 to 11	SP16_0-2 18H1425-01 8/30/2018 0 to 2	SP16_10-11 18H1425-02 8/30/2018 10 to 11	SP18_0-2 18H1343-05 8/29/2018 0 to 2	SP18_8-9 18H1343-06 8/29/2018 8 to 9	SP19_0-2 18H1343-03 8/29/2018 0 to 2	SP19_12-13 18H1343-04 8/29/2018 12 to 13
Volatile Organic Compounds (mg/kg)											
1,2,4-Trimethylbenzene	3.6	52	0.0017 U	0.0022 U	0.002 U	0.0033 U	0.002 U	0.0028 U	0.0013 U	0.0023 U	0.0028 U
1,3,5-Trimethylbenzene	8.4	52	0.0017 U	0.0022 U	0.002 U	0.0033 U	0.002 U	0.0028 U	0.0013 U	0.0023 U	0.0028 U
2-Butanone	0.12	100	0.0017 U	0.0022 U	0.002 U	0.0033 U	0.002 U	0.0028 U	0.0025 J	0.0023 U	0.0028 U
Acetone	0.05	100	0.0034 U	0.013 U	0.0063 J	0.0098 J	0.004 U	0.026 U	0.0093 J	0.0058 J	0.026 U
Carbon disulfide	~	~	0.0017 U	0.0022 U	0.002 U	0.0033 U	0.002 U	0.0028 U	0.0013 U	0.0023 U	0.0028 U
Isopropylbenzene	~	~	0.0017 U	0.0022 U	0.002 U	0.0033 U	0.002 U	0.0028 U	0.0013 U	0.0023 U	0.0028 U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0017 U	0.0022 U	0.002 U	0.0033 U	0.002 U	0.0028 U	0.0013 U	0.0023 U	0.0028 U
Methylene chloride	0.05	100	0.0034 U	0.0044 U	0.0039 U	0.0066 U	0.004 U	0.0062 J	0.0027 U	0.0046 U	0.0056 U
n-Butylbenzene	12	100	0.0017 U	0.0022 U	0.002 U	0.0033 U	0.002 U	0.0028 U	0.0013 U	0.0023 U	0.0028 U
p-Isopropyltoluene	~	~	0.0017 U	0.0022 U	0.002 U	0.0033 U	0.002 U	0.0028 U	0.0013 U	0.0023 U	0.0028 U
sec-Butylbenzene	11	100	0.0017 U	0.0022 U	0.002 U	0.0033 U	0.002 U	0.0028 U	0.0013 U	0.0023 U	0.0028 U
tert-Butyl alcohol (TBA)	~	~	0.0017 U	0.0022 U	0.002 U	0.0033 U	0.002 U	0.0028 U	0.0013 U	0.0023 U	0.0028 U
Semivolatile Organic Compounds (mg/kg)											
2,4-Dinitrotoluene	~	~	0.0518 U	0.227 U	0.237 U	0.0528 U	0.0489 U	0.0471 U	0.0526 U	0.0448 U	0.0544 U
2-Methylnaphthalene	~	~	0.0518 U	0.227 U	0.237 U	0.0528 U	0.0489 U	0.0471 U	0.0526 U	0.0448 U	0.0544 U
Acenaphthene	20	100	0.0518 U	0.227 U	0.237 U	0.0528 U	0.0489 U	0.0471 U	0.179 D	0.0448 U	0.0544 U
Acenaphthylene	100	100	0.0518 U	0.227 U	0.237 U	0.0528 U	0.0489 U	0.0471 U	0.0526 U	0.114 D	0.0544 U
Anthracene	100	100	0.0518 U	0.227 U	0.237 U	0.123 D	0.0489 U	0.0471 U	0.444 D	0.259 D	0.0544 U
Benzo(a)anthracene	1	1	0.0518 U	0.227 U	0.237 U	0.596 D	0.0489 U	0.0871 JD	0.981 D	0.892 D	0.0544 U
Benzo(a)pyrene	1	1	0.0518 U	0.227 U	0.237 U	0.577 D	0.0489 U	0.0871 JD	0.904 D	0.907 D	0.0544 U
Benzo(b)fluoranthene	1	1	0.0518 U	0.227 U	0.237 U	0.511 D	0.0489 U	0.0803 JD	0.657 D	0.76 D	0.0544 U
Benzo(g,h,i)perylene	100	100	0.0518 U	0.227 U	0.237 U	0.433 D	0.0489 U	0.0471 U	0.536 D	0.662 D	0.0544 U
Benzo(k)fluoranthene	0.8	3.9	0.0518 U	0.227 U	0.237 U	0.52 D	0.0489 U	0.0796 JD	0.694 D	0.792 D	0.0544 U
Benzyl butyl phthalate	~	~	0.0518 U	0.227 U	0.237 U	0.0528 U	0.0489 U	0.0471 U	0.0526 U	0.0448 U	0.0544 U
Bis(2-ethylhexyl)phthalate	~	~	0.0518 U	0.227 U	0.237 U	0.104 JD	0.0489 U	0.0471 U	0.0526 U	0.0448 U	0.0544 U
Carbazole	~	~	0.0518 U	0.227 U	0.237 U	0.0528 U	0.0489 U	0.0471 U	0.113 D	0.0448 U	0.0544 U
Chrysene	1	3.9	0.0518 U	0.227 U	0.237 U	0.622 D	0.0489 U	0.0916 JD	0.918 D	0.833 D	0.0544 U
Dibenzo(a,h)anthracene	0.33	0.33	0.0518 U	0.227 U	0.237 U	0.0817 JD	0.0489 U	0.0471 U	0.127 D	0.22 D	0.0544 U
Dibenzofuran	7	59	0.0518 U	0.227 U	0.237 U	0.0528 U	0.0489 U	0.0471 U	0.0746 JD	0.0448 U	0.0544 U
Di-n-octyl phthalate	~	~	0.0518 U	0.227 U	0.237 U	0.0528 U	0.0489 U	0.0471 U	0.0526 U	0.0448 U	0.0544 U
Fluoranthene	100	100	0.0518 U	0.227 U	0.237 U	1.21 D	0.0489 U	0.11 D	2.22 D	1.37 D	0.0544 U
Fluorene	30	100	0.0518 U	0.227 U	0.237 U	0.0528 U	0.0489 U	0.0471 U	0.154 D	0.0448 U	0.0544 U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.0518 U	0.227 U	0.237 U	0.427 D	0.0489 U	0.0471 U	0.582 D	0.682 D	0.0544 U
Naphthalene	12	100	0.0518 U	0.227 U	0.237 U	0.0528 U	0.0489 U	0.0471 U	0.0855 JD	0.0448 U	0.0544 U
Phenanthrene	100	100	0.0518 U	0.227 U	0.237 U	0.468 D	0.0489 U	0.0471 U	1.75 D	0.474 D	0.0544 U
Pyrene	100	100	0.0518 U	0.227 U	0.237 U	1.15 D	0.0489 U	0.134 D	2.3 D	1.39 D	0.0544 U

Notes and Qualifiers:

- The 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 (6 NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCOs).
- Compounds with detections are shown in the table.
- NYSDEC Part 375 Unrestricted Use SCOs exceedances are bolded.
- NYSDEC Part 375 Restricted-Residential SCOs exceedances are highlighted.
- mg/kg = milligrams per kilogram
- ~ = Criterion does not exist.
- bgs = below grade surface
- E = Result is estimated and cannot be accurately reported due to levels encountered or interferences.
- D = Result is from an analysis that required a dilution.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the Reporting Limit (RL); the value shown in the table is the RL.
- J = Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated.
- B = Analyte found in the analysis batch blank.

Table 2A
Soil Sample Analytical Results Summary (VOCs and SVOCs)
CSX Parcel
Bronx, New York
Project No. 170502901

Sample ID Laboratory Sample ID Sampling Date Sample Depth (feet bgs)	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	SP20_0-2 18H1343-01 8/29/2018 0 to 2	SP20_10-11 18H1343-02 8/29/2018 10 to 11	Stockpile-S 18H1425-12 8/30/2018 Surface Sample	Stockpile-NE 18H1425-13 8/30/2018 Surface Sample	Stockpile-NW 18H1425-14 8/30/2018 Surface Sample
Volatile Organic Compounds (mg/kg)							
1,2,4-Trimethylbenzene	3.6	52	0.0028 U	0.0027 U	0.0023 U	0.0022 U	0.0023 U
1,3,5-Trimethylbenzene	8.4	52	0.0028 U	0.0027 U	0.0023 U	0.0022 U	0.0023 U
2-Butanone	0.12	100	0.0028 U	0.0027 U	0.0023 U	0.0022 U	0.0023 U
Acetone	0.05	100	0.0094 J	0.0054 U	0.0046 U	0.0043 U	0.0047 U
Carbon disulfide	~	~	0.0028 U	0.0027 U	0.0023 U	0.0022 U	0.0023 U
Isopropylbenzene	~	~	0.0028 U	0.0027 U	0.0023 U	0.0022 U	0.0023 U
Methyl tert-butyl ether (MTBE)	0.93	100	0.0028 U	0.0027 U	0.0023 U	0.0022 U	0.0023 U
Methylene chloride	0.05	100	0.011	0.0054 U	0.0046 U	0.0043 U	0.0047 U
n-Butylbenzene	12	100	0.0028 U	0.0027 U	0.0023 U	0.0022 U	0.0023 U
p-Isopropyltoluene	~	~	0.0028 U	0.0027 U	0.0023 U	0.0022 U	0.0023 U
sec-Butylbenzene	11	100	0.0028 U	0.0027 U	0.0023 U	0.0022 U	0.0023 U
tert-Butyl alcohol (TBA)	~	~	0.0028 U	0.0027 U	0.0023 U	0.0022 U	0.0023 U
Semivolatile Organic Compounds (mg/kg)							
2,4-Dinitrotoluene	~	~	0.044 U	0.0506 U	0.0439 U	0.0452 U	0.0449 U
2-Methylnaphthalene	~	~	0.044 U	0.0506 U	0.0439 U	0.0452 U	0.0449 U
Acenaphthene	20	100	0.047 JD	0.0928 JD	0.221 D	0.14 D	0.115 D
Acenaphthylene	100	100	0.136 D	0.0506 U	0.0693 JD	0.188 D	0.0651 JD
Anthracene	100	100	0.31 D	0.218 D	0.687 D	0.588 D	0.562 D
Benzo(a)anthracene	1	1	0.959 D	0.616 D	3.66 D	3.99 D	2.73 DE
Benzo(a)pyrene	1	1	0.96 D	0.567 D	3.8 D	3.64 D	2.82 DE
Benzo(b)fluoranthene	1	1	0.816 D	0.483 D	2.66 DE	2.8 DE	2.37 DE
Benzo(g,h,i)perylene	100	100	0.607 D	0.358 D	2.08 D	2.21 D	1.93 D
Benzo(k)fluoranthene	0.8	3.9	0.864 D	0.456 D	2.67 DE	2.71 DE	2.44 DE
Benzyl butyl phthalate	~	~	0.502 D	0.0506 U	0.0439 U	0.0452 U	0.0449 U
Bis(2-ethylhexyl)phthalate	~	~	0.0604 JD	0.0506 U	0.177 D	0.0452 U	0.0449 U
Carbazole	~	~	0.0667 JD	0.119 D	0.278 D	0.201 D	0.193 D
Chrysene	1	3.9	0.921 D	0.625 D	3.74 D	3.75 D	2.78 DE
Dibenzo(a,h)anthracene	0.33	0.33	0.13 D	0.0783 JD	0.696 D	0.752 D	0.679 D
Dibenzofuran	7	59	0.044 U	0.0506 U	0.0812 JD	0.07 JD	0.0501 JD
Di-n-octyl phthalate	~	~	0.044 U	0.0506 U	0.0439 U	0.0452 U	0.0449 U
Fluoranthene	100	100	1.65 D	1.32 D	6.95 D	7.16 DE	6.3 D
Fluorene	30	100	0.0786 JD	0.0855 JD	0.176 D	0.136 D	0.098 D
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.661 D	0.39 D	2.21 D	2.29 D	1.99 D
Naphthalene	12	100	0.044 U	0.0506 U	0.0439 U	0.0483 JD	0.0449 U
Phenanthrene	100	100	0.936 D	1.1 D	2.55 DE	2.09 DE	1.89 D
Pyrene	100	100	1.68 D	1.39 D	6.53 D	6.53 DE	5.45 D

Notes and Qualifiers:

- The 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 (6 NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCOs).
- Compounds with detections are shown in the table.
- NYSDEC Part 375 Unrestricted Use SCOs exceedances are bolded.
- NYSDEC Part 375 Restricted-Residential SCOs exceedances are highlighted.
- mg/kg = milligrams per kilogram
- ~ = Criterion does not exist.
- bgs = below grade surface
- E = Result is estimated and cannot be accurately reported due to levels encountered or interferences.
- D = Result is from an analysis that required a dilution.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the Reporting Limit (RL); the value shown in the table is the RL.
- J = Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated.
- B = Analyte found in the analysis batch blank.

Table 2B
Soil Sample Analytical Results Summary (Pesticides, PCBs, Metals and Cyanide)
CSX Parcel
Bronx, New York
Project No. 170502901

Sample ID	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Residential	SP-01 0-1 18G1148-01 7/26/2018 0 to 1	SP-02 0-1 18G1148-02 7/26/2018 0 to 1	SP-03 0-1 18G1148-03 7/26/2018 0 to 1	SP-04 0-1 18G1148-04 7/26/2018 0 to 1	SP-05 0-1 18G1148-05 7/26/2018 0 to 1	SP-06 0-1 18G1148-06 7/26/2018 0 to 1	SP-07 1-2 18G1148-07 7/26/2018 1 to 2	SP-08 0-1 18G1148-08 7/26/2018 0 to 1	SP-09 1-2 18G1148-09 7/26/2018 1 to 2	SP-10 1-2 18G1148-10 7/26/2018 1 to 2	SP11 1-2 18I0021-01 8/31/2018 1 to 2	SP11 5-6 18I0021-02 8/31/2018 5 to 6	SP12 0-2 18H1425-09 7/26/2018 0 to 2	SP12 6-7 18H1425-10 8/30/2018 6 to 7	SP13 0-2 18H1425-07 8/30/2018 0 to 2	SP13 7-8 18H1425-08 8/30/2018 7 to 8	
Pesticides (mg/kg)																			
4,4'-DDD	0.0033	13	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.0233 DP	0.00195 U	0.0018 U	0.00185 U	0.00185 U
4,4'-DDE	0.0033	8.9	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.00377 D	0.00195 U	0.0018 U	0.00185 U	0.00185 U
4,4'-DDT	0.0033	7.9	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.0084 D	0.00187 U	0.01 D	0.00184 U	0.00419 D	0.00825 D	0.00199 U	0.00506 DP	0.00195 U	0.0018 U	0.00185 U	0.00185 U
Aldrin	0.005	0.097	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.0018 U	0.00185 U	0.00185 U
alpha-BHC	0.02	0.48	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.00180 U	0.00185 U	0.00185 U
alpha-Chlordane	0.094	4.2	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.0117 DP	0.00187 U	0.00577 D	0.00184 U	0.014 D	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.0018 U	0.00185 U	0.00185 U
beta-BHC	0.036	0.36	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.00180 U	0.00185 U	0.00185 U
Chlordane, total	~	~	0.0419 U	0.0394 U	0.0377 U	0.0359 U	0.0366 U	0.0352 U	0.0374 U	0.0432 U	0.0367 U	0.0387 U	0.0358 U	0.0399 U	0.0354 U	0.0389 U	0.036 U	0.0371 U	0.0371 U
delta-BHC	0.04	100	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.00180 U	0.00185 U	0.00185 U
Dieldrin	0.005	0.2	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.00204 DP	0.00185 U	0.00185 U
Endosulfan I	2.4	24	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.00180 U	0.00185 U	0.00185 U
Endosulfan II	2.4	24	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.0018 U	0.00185 U	0.00185 U
Endosulfan sulfate	2.4	24	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.00180 U	0.00185 U	0.00185 U
Endrin	0.014	11	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.0117 D	0.00199 U	0.00177 U	0.00195 U	0.0018 U	0.00185 U	0.00185 U
Endrin aldehyde	~	~	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.0018 U	0.00185 U	0.00185 U
Endrin ketone	~	~	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.00180 U	0.00185 U	0.00185 U
gamma-BHC (Lindane)	0.1	1.3	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.00180 U	0.00185 U	0.00185 U
gamma-Chlordane	~	~	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00961 DP	0.00187 U	0.00938 DP	0.00184 U	0.0102 DP	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.0018 U	0.00185 U	0.00185 U
Heptachlor	0.042	2.1	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.0018 U	0.00185 U	0.00185 U
Heptachlor epoxide	~	~	0.00209 U	0.00197 U	0.00189 U	0.00179 U	0.00183 U	0.00176 U	0.00187 U	0.00216 U	0.00184 U	0.00194 U	0.00179 U	0.00199 U	0.00177 U	0.00195 U	0.00180 U	0.00185 U	0.00185 U
Methoxychlor	~	~	0.0105 U	0.00985 U	0.00943 U	0.00897 U	0.00914 U	0.00879 U	0.00935 U	0.0108 U	0.00918 U	0.00968 U	0.00995 U	0.00997 U	0.00886 U	0.00973 U	0.00900 U	0.00927 U	0.00927 U
Toxaphene	~	~	0.106 U	0.0997 U	0.0955 U	0.0908 U	0.0925 U	0.0889 U	0.0946 U	0.109 U	0.0929 U	0.0979 U	0.0906 U	0.1010 U	0.0895 U	0.0985 U	0.0911 U	0.0939 U	0.0939 U
Polychlorinated Biphenyls (PCB) (mg/kg)																			
Aroclor 1016	~	~	0.0212 U	0.0199 U	0.0190 U	0.0181 U	0.0185 U	0.0177 U	0.0189 U	0.0218 U	0.0185 U	0.0195 U	0.0181 U	0.0201 U	0.0179 U	0.0196 U	0.0182 U	0.0187 U	0.0187 U
Aroclor 1221	~	~	0.0212 U	0.0199 U	0.0190 U	0.0181 U	0.0185 U	0.0177 U	0.0189 U	0.0218 U	0.0185 U	0.0195 U	0.0181 U	0.0201 U	0.0179 U	0.0196 U	0.0182 U	0.0187 U	0.0187 U
Aroclor 1232	~	~	0.0212 U	0.0199 U	0.0190 U	0.0181 U	0.0185 U	0.0177 U	0.0189 U	0.0218 U	0.0185 U	0.0195 U	0.0181 U	0.0201 U	0.0179 U	0.0196 U	0.0182 U	0.0187 U	0.0187 U
Aroclor 1242	~	~	0.0212 U	0.0199 U	0.0190 U	0.0181 U	0.0185 U	0.0177 U	0.0189 U	0.0218 U	0.0185 U	0.0195 U	0.0181 U	0.0201 U	0.0179 U	0.0196 U	0.0182 U	0.0187 U	0.0187 U
Aroclor 1248	~	~	0.0212 U	0.0199 U	0.0190 U	0.0181 U	0.0185 U	0.0177 U	0.0189 U	0.0218 U	0.0185 U	0.0195 U	0.03 P	0.0201 U	0.0179 U	0.0196 U	0.0182 U	0.0187 U	0.0187 U
Aroclor 1254	~	~	0.0212 U	0.0199 U	0.0190 U	0.0181 U	0.0185 U	0.0177 U	0.0189 U	0.0218 U	0.0185 U	0.0195 U	0.0181 U	0.0201 U	0.0179 U	0.0196 U	0.0182 U	0.0187 U	0.0187 U
Aroclor 1260	~	~	0.0212 U	0.0199 U	0.0190 U	0.0181 U	0.0185 U	0.0177 U	0.0189 U	0.0218 U	0.0185 U	0.0246 U	0.0508 U	0.0201 U	0.0179 U	0.0196 U	0.0182 U	0.0187 U	0.0187 U
Total PCBs	0.1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0246	0.0808	ND	ND	ND	ND	ND	ND
Metals (mg/kg)																			
Aluminum	~	~	8190	7450	9000	6070	6220	8230	8610	11500	9380	8480	8990	17100	13000	9480	6730	7680	7680
Antimony	~	~	2.29	1.11	2.84	1.24	0.954	1.47	1.44	3.22	1.34	1.37	2.24	2.29	0.537 U	0.591 U	0.547 U	0.564 U	0.564 U
Arsenic	13	16	7.32	8.21	7.46	4.44	2.2	4.33	3.61	3.77	3.94	5.22	6.11	4.91	3.77	4.37	6.63	4.15	4.15
Barium	350	400	60.6	73.5	70	59.9	46	86.4	84.8	177	90.2	119	141	133	60.2	129	114	95.9	95.9
Beryllium	7.2	72	0.127 U	0.151 U	0.114 U	0.109 U	0.111 U	0.107 U	0.113 U	0.131 U	0.112 U	0.118 U	0.109 U	0.121 U	0.107 U	0.118 U	0.109 U	0.113 U	0.113 U
Cadmium	2.5	4.3	0.381 U	0.744 U	0.346 U	0.326 U	0.332 U	0.372 U	0.466 U	0.727 U	0.376 U	0.547 U	1.72 U	0.363 U	0.322 U	0.354 U	0.328 U	0.389 U	0.389 U
Calcium	~	~	79900	52200	82700	55700	86300	35800	45100	56600	26500	26900	79700	1530	6980	17500	61800	50500	50500
Chromium	~	~	28.8	24.5	29.6	15.1	11.1	19.1	11.1	34.9	19.4	22.6	25.8	34.2	52.5	28.1	13.2	23.6	23.6
Chromium, Hexavalent	1	110	5.79	0.597 U	4.39	0.544 U	0.554 U	0.534 U	0.567 U	0.655 U	0.558 U	0.589 U	0.545 U	0.605 U	1.07 U	0.591 U	0.547 U	0.564 U	0.564 U
Chromium, Trivalent	30	180	21	24.5	25.2	15.1	11.1	19.1	11.1	34.9	19.4	22.6	25.8	34.2	52.5	26.1	13.2	23.6	23.6
Cobalt	~	~	5.04	6.53	6.37	10.6	6.92	7.8	7.06	11.2	7.7	8.2	15.9	12.5	9.65	7.76	6.39	10.2	10.2
Copper	50	270	59.4	69.8	67.8	60.8	62.8	29.7	20.4	43.7	40.9	42.7	68.6	30.8	14.5	36.4	52	46.1	46.1
Cyanide, total	27	27	0.635 U	1.25 U	0.572 U	0.707 U	1.66 U	0.534 U	0.567 U	0.655 U	0.558 U	0.588 U	0.545 U	0.605 U	0.569 U	0.591 U	0.613 U	0.564 U	0.564 U
Iron	~	~	8950	20600	14300	12700	14600	13600	14300	21300	14700	16400	23800	17600	13800	13800	13400	16900	16900
Lead	63	400	64.7	67.2	79.2	67.4	79.2	68.8	71.2	68.8	115	191	108	201	71.2	226	91	91	91
Magnesium	~	~	4630	9300	5160	17500	26400	11500	20500	15500	7960	10100	12300	5630	7210	4590	30100	16800	16800
Manganese	1600	2000																	

Table 2B
Soil Sample Analytical Results Summary (Pesticides, PCBs, Metals and Cyanide)
CSX Parcel
Bronx, New York
Project No. 170502901

Sample ID	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Use Soil Cleanup Objectives - Restricted Residential	SP14 0-2 18H1425-05 8/30/2018	SP14 9-10 18H1425-06 8/30/2018	SP15 0-2 18H1425-03 8/30/2018	SP15 10-11 18H1425-04 8/30/2018	SP16 0-2 18H1425-01 8/30/2018	SP16 10-11 18H1425-02 8/30/2018	SP18 0-2 18H1343-05 8/29/2018	SP18 8-9 18H1343-06 8/29/2018	SP19 0-2 18H1343-03 8/29/2018	SP19 12-13 18H1343-04 8/29/2018	SP20 0-2 18H1343-01 8/29/2018	SP20 10-11 18H1343-02 8/29/2018	Stockpile-S 18H1425-12 8/30/2018	Stockpile-NE 18H1425-13 8/30/2018	Stockpile-NW 18H1425-14 8/30/2018	
Laboratory Sample ID	Unrestricted Use Soil Cleanup Objectives	Restricted Use Soil Cleanup Objectives - Restricted Residential	0 to 2	9 to 10	0 to 2	10 to 11	0 to 2	10 to 11	0 to 2	8 to 9	0 to 2	12 to 13	0 to 2	10 to 11	Surface Sample	Surface Sample	Surface Sample	
Sample Depth (feet bgs)																		
Pesticides (mg/kg)																		
4,4'-DDD	0.0033	13	0.00179 U	0.00204 U	0.00343 DP	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00233 D	0.00214 U	0.00508 DP	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
4,4'-DDE	0.0033	8.9	0.00179 U	0.00204 U	0.00261 D	0.00187 U	0.00496 DP	0.00193 U	0.00186 U	0.00207 U	0.00246 D	0.00214 U	0.00374 D	0.00199 U	0.00213 D	0.00179 U	0.00177 U	
4,4'-DDT	0.0033	7.9	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00177 U	0.00214 U	0.00422 D	0.00199 U	0.00737 D	0.0174 D	0.0116 D	
Aldrin	0.005	0.097	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00298 DP	0.00193 U	0.00186 U	0.00207 U	0.00177 U	0.00214 U	0.00173 U	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
alpha-BHC	0.02	0.48	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00177 U	0.00214 U	0.00173 U	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
alpha-Chlordane	0.094	4.2	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.0107 D	0.00214 U	0.0191 D	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
beta-BHC	0.036	0.36	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00177 U	0.00214 U	0.00173 U	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
Chlordane, total	~	~	0.0357 U	0.0407 U	0.0375 U	0.0416 U	0.0385 U	0.0371 U	0.0415 U	0.0655 DP	0.0429 U	0.118 D	0.0398 U	0.0346 U	0.0357 U	0.0353 U	0.0353 U	
delta-BHC	0.04	100	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00177 U	0.00214 U	0.00173 U	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
Dieldrin	0.005	0.2	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00206 D	0.00214 U	0.00424 D	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
Endosulfan I	2.4	24	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00177 U	0.00214 U	0.00173 U	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
Endosulfan II	2.4	24	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00177 U	0.00214 U	0.00173 U	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
Endosulfan sulfate	2.4	24	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00177 U	0.00214 U	0.00173 U	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
Endrin	0.014	11	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00177 U	0.00214 U	0.00173 U	0.00199 U	0.00358 D	0.00179 U	0.00177 U	
Endrin aldehyde	~	~	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00313 DP	0.00207 U	0.00327 D	0.00214 U	0.00173 U	0.00199 U	0.00173 U	0.00413 D	0.00177 U	
Endrin ketone	~	~	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00177 U	0.00214 U	0.00173 U	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
gamma-BHC (Lindane)	0.1	1.3	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00177 U	0.00214 U	0.00173 U	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
gamma-Chlordane	~	~	0.00179 U	0.00204 U	0.00384 D	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00768 D	0.00214 U	0.0112 D	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
Heptachlor	0.042	2.1	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00177 U	0.00214 U	0.00308 D	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
Heptachlor epoxide	~	~	0.00179 U	0.00204 U	0.00179 U	0.00187 U	0.00208 U	0.00193 U	0.00186 U	0.00207 U	0.00177 U	0.00214 U	0.00173 U	0.00199 U	0.00173 U	0.00179 U	0.00177 U	
Methoxychlor	~	~	0.00894 U	0.0102 U	0.00893 U	0.00937 U	0.0104 U	0.00963 U	0.00929 U	0.0104 U	0.00883 U	0.0107 U	0.00866 U	0.00896 U	0.00865 U	0.00893 U	0.00883 U	
Toxaphene	~	~	0.0904 U	0.103 U	0.0904 U	0.0948 U	0.105 U	0.0975 U	0.0940 U	0.105 U	0.0894 U	0.109 U	0.0876 U	0.101 U	0.0875 U	0.0904 U	0.0894 U	
Polychlorinated Biphenyls (PCB) (mg/kg)																		
Aroclor 1016	~	~	0.0180 U	0.0206 U	0.0180 U	0.0189 U	0.0210 U	0.0195 U	0.0188 U	0.0209 U	0.0178 U	0.0217 U	0.0175 U	0.0201 U	0.0175 U	0.0361 U	0.0178 U	
Aroclor 1221	~	~	0.0180 U	0.0206 U	0.0180 U	0.0189 U	0.0210 U	0.0195 U	0.0188 U	0.0209 U	0.0178 U	0.0217 U	0.0175 U	0.0201 U	0.0175 U	0.0361 U	0.0178 U	
Aroclor 1232	~	~	0.0180 U	0.0206 U	0.0180 U	0.0189 U	0.0210 U	0.0195 U	0.0188 U	0.0209 U	0.0178 U	0.0217 U	0.0175 U	0.0201 U	0.0175 U	0.0361 U	0.0178 U	
Aroclor 1242	~	~	0.0180 U	0.0206 U	0.0180 U	0.0189 U	0.0210 U	0.0195 U	0.0188 U	0.0209 U	0.0178 U	0.0217 U	0.0175 U	0.0201 U	0.0175 U	0.0361 U	0.0178 U	
Aroclor 1248	~	~	0.0180 U	0.0206 U	0.0180 U	0.0189 U	0.0210 U	0.0195 U	0.0188 U	0.0209 U	0.0178 U	0.0217 U	0.0175 U	0.0201 U	0.0175 U	0.0361 U	0.0178 U	
Aroclor 1254	~	~	0.0180 U	0.0206 U	0.0180 U	0.0189 U	0.0210 U	0.0195 U	0.0188 U	0.0209 U	0.0178 U	0.0217 U	0.0175 U	0.0201 U	0.0175 U	0.0361 U	0.0178 U	
Aroclor 1260	~	~	0.0180 U	0.0206 U	0.0180 U	0.0189 U	0.0210 U	0.0195 U	0.0188 U	0.0209 U	0.0178 U	0.0217 U	0.0175 U	0.0201 U	0.0175 U	0.0361 U	0.0178 U	
Total PCBs	0.1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0705	0.0924 D	0.0578	
Metals (mg/kg)																		
Aluminum	~	~	9610	9880	5330	15100	9140	12200	10900	10600	6370	6770	5960	7140	10300	8980	8770	
Antimony	~	~	0.542 U	0.62 U	0.543 U	0.57 U	0.632 U	0.587 U	1.63	1.75	0.538 U	0.65 U	0.527 U	2.3	0.525 U	0.543 U	0.537 U	
Arsenic	13	16	9.1	2.1	4.82	3.76	5.21	2.02	3.53	3.5	3.41	4.37	13.9	2.52	2.83	2.88		
Barium	350	400	159	66.8	40.7	176	78.7	169	96.1	177	67	22.4	61.5	159	115	90.1	91.1	
Beryllium	7.2	72	0.108 U	0.124 U	0.109 U	0.114 U	0.126 U	0.117 U	0.113 U	0.126 U	0.108 U	0.198 U	0.105 U	0.525 U	0.109 U	0.107 U	0.107 U	
Cadmium	2.5	4.3	0.325 U	0.372 U	0.326 U	0.371 U	0.379 U	0.352 U	0.59	0.712	0.43	0.39 U	0.316 U	1.9	0.972	0.388	0.423	
Calcium	~	~	43700	4880	37700	20900	74300	2500	32500	14100	40700	1850	38800	16300	39800	46700	42100	
Chromium	~	~	21.4	18.8	5.57	47.5	21	17.4	34.4	20.8	14	12.9	18.5	23.8	27.3	18.7		
Chromium, Hexavalent	1	110	0.542 U	0.62 U	0.543 U	0.57 U	0.859 U	0.587 U	0.563 U	0.829 U	0.538 U	0.65 U	0.527 U	0.607 U	0.525 U	0.543 U	0.537 U	
Chromium, Trivalent	30	180	21.4	18.8	5.57	47.5	20.1	17.4	34.4	20.8	14	12.9	18.5	23.8	27.3	16.7		
Cobalt	~	~	9.07	9.46	8.94	14.6	6.16	10.2	8.66	11.7	5.56	5.44	5.25	5.56	8.08	6.54	6.09	
Copper	50	270	64.6	19.9	22	32.4	35.3	21.5	31.1	39.9	26.7	9.98	39.3	243	23.9	21.1	17.7	
Cyanide, total	27	27	39.4	0.62 U	4.55	0.57 U	0.708	0.611	6.16	2.91	0.538 U	0.65 U	0.527 U	1.46	0.525 U	0.543 U	0.537 U	
Iron	~	~	18400	18900	10200	24900	14000	18400	15400	19600	9750	10300	9600	25400	14600	12300	11600	
Lead	63	400	102	7.84	11.3	37.7	54	33.6	49.8	415	38.6	30.7	49	488	80.1	42.4	46.5	
Magnesium	~	~	25100	6060	5650	12300	14000	4490	10000	5840	9420	2840	8440	1000	5110	4820	3820	
Manganese	1600	2000	200	464	84.9	339	209	417	290	479	215	113	188	271	274	223	201	
Mercury	0.18	0.81	0.502	0.0372 U	0.0326 U	0.17	0.0412	0.0352 U	0.0342	0.446	0.0754	0.039 U	0.0872	0.111	0.112	0.0863	0.0877	
Nickel	30	310	18.4	23.1 B	19.3 B	27.2 B	17.8 B	13.8 B	21	17.1	12.1	14.5	11.3	16.2	14.3	12.5	B	
Potassium	~	~	2670 B	2360 B	1460 B	6870 B	1970 B	4090 B	4720	3700	1280	827	1210	811	2230 B	1900 B	1690 B	
Selenium	3.9	180	1.08 U	1.24 U	1.09 U	1.14 U	1.26 U	1.17 U	1.13 U	1.26 U	1.08 U	1.3 U	1.05 U	1.21 U	1.05 U	1.09 U	1.07 U	
Silver	2	180	0.542 U	0.620 U	0.543 U	0.570 U	0.632 U	0.587 U	0.563 U	0.829 U								

**Table 3
Groundwater Sample Analytical Results Summary
CSX Parcel
Bronx, New York
Project No. 170502901**

Sample ID	NYSDEC TOGS Standards and Guidance Values - GA	USEPA Lifetime Health Advisory Limit	TMW11_083118 1810021-04 8/31/2018 TMW11	TMW12_083118 1810021-03 8/31/2018 TMW12	TMW14_083118 1810021-05 8/31/2018 TMW14	TMW15_083018 18H1425-11 8/30/2018 TMW15	TMW18_090418 1810093-01 9/4/2018 TMW18	TMW20_090418 1810093-02 9/4/2018 TMW20
Volatile Organic Compounds (µg/l)								
2-Butanone	50	~	0.200 U	0.200 U	0.200 U	0.200 U	0.960	0.200 U
Acetone	50	~	2.060	1 U	1.460 J	1.880 J	23.900	2
Carbon disulfide	~	~	0.310 J	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Ethyl Benzene	5	~	0.260 J	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Methyl tert-butyl ether (MTBE)	10	~	2.330	0.220 J	0.200 U	0.200 U	0.200 U	0.200 U
tert-Butyl alcohol (TBA)	~	~	5.430	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Semivolatile Organic Compounds (µg/l)								
Acenaphthene	20	~	0.349	0.0541 U	0.0615	0.0526 U	0.140	0.0513 U
Acenaphthylene	~	~	0.0615	0.184	0.0513 U	0.0526 U	0.0500 U	0.0513 U
Anthracene	50	~	0.205	0.205	0.0513 U	0.0526 U	0.100	0.0513 U
Benzo(a)anthracene	0.002	~	0.0513 U	0.303	0.0513 U	0.0526 U	0.0500 U	0.0615
Benzo(a)pyrene	0.002	~	0.0513 U	0.454	0.0513 U	0.0526 U	0.0500 U	0.0513
Benzo(b)fluoranthene	0.002	~	0.0513 U	0.400	0.0513 U	0.0526 U	0.0500 U	0.0615
Benzo(g,h,i)perylene	~	~	0.0513 U	0.476	0.0513 U	0.0526 U	0.0500 U	0.0513 U
Benzo(k)fluoranthene	0.002	~	0.0513 U	0.357	0.0513 U	0.0526 U	0.0500 U	0.0513
Bis(2-ethylhexyl)phthalate	5	~	1.370	0.919	8.940 D	0.832	2.490	0.513 U
Chrysene	0.002	~	0.0513	0.292	0.0513 U	0.0526 U	0.0500 U	0.0615
Dibenzo(a,h)anthracene	~	~	0.0513 U	0.130	0.0513 U	0.0526 U	0.0500 U	0.0513 U
Fluoranthene	50	~	0.185	0.389	0.0513 U	0.0526 U	0.140	0.103
Fluorene	50	~	0.226	0.0541 U	0.0513 U	0.0526 U	0.110	0.0513 U
Indeno(1,2,3-cd)pyrene	0.002	~	0.0513 U	0.389	0.0513 U	0.0526 U	0.0500 U	0.0513 U
Naphthalene	10	~	0.226	0.0541 U	0.0513 U	0.0526	0.0600	0.0513 U
Phenanthrene	50	~	0.349	0.141	0.133	0.0526 U	0.360	0.0513
Pyrene	50	~	0.174	0.378	0.0615	0.0526 U	0.120	0.0821
Polychlorinated Biphenyls (PCBs) (µg/l)								
Total PCBs	0.09	~	ND	ND	ND	ND	ND	ND
Total Metals (µg/l)								
Aluminum	~	~	576	8,970	13,900	68	36,400	6,180
Antimony	3	~	1.110 U	1.450	3.150	1 U	15.300	4.790
Arsenic	25	~	4.020	10.200	15.100	1.170	15.400	6.210
Barium	1000	~	222	361	227	93.300	1,280	255
Beryllium	3	~	1.110 U	1.110 U	1.110 U	1 U	1.310	1 U
Cadmium	5	~	1.110 U	2.030	12	1 U	12.700	2.970
Calcium	~	~	85,800	214,000	183,000	180,000	273,000	146,000
Chromium	50	~	5 U	39.600	50.700	5.560 U	69.700	13.500
Chromium, Trivalent	~	~	10 U	39.600	50.700	10 U	400 U	400 U
Cobalt	~	~	5 U	13.500	55.100	5.560 U	51.600	5.560 U
Copper	200	~	8.540	173	20.700	15.500	363	223
Cyanide	200	~	10 U	10 U	3.330 D	10 U	99.800	10 U
Iron	~	~	3,820	14,000	21,400	327	62,500 B	4,810 B
Lead	25	~	175	999	460	5.560 U	9,520	651
Magnesium	35000	~	11,500	25,100	70,200	360,000	36,400	31,100
Manganese	300	~	697	2,460	10,200	516	3,360	712
Nickel	100	~	5 U	36.400	94.900	5.560 U	73.200	23.600
Potassium	~	~	11,400 B	19,300 B	45,600 B	138,000 B	23,700	14,700
Selenium	10	~	6.950 B	14.900 B	57.700 B	105	23.700	3.680
Sodium	20000	~	234,000	312,000	1,240,000	3,590,000 BD	409,000	165,000
Vanadium	~	~	10 U	146	86.400	11.100 U	154	14.600
Zinc	2000	~	42.100	602	3,700	16.700 U	2,150	975
Dissolved Metals (µg/l)								
Aluminum	~	~	70.600	55.600 U	185	55.600 U	114	55.600 U
Antimony	3	~	1.110 U	1.110 U	2.630	1.110 U	14.800	1.970
Arsenic	25	~	3.290	5.150	5.990	1.650	6.100	1.110 U
Barium	1000	~	187	169	78.500	93.100	263	82.200
Calcium	~	~	86,800	147,000	86,400	179,000	102,000	119,000
Chromium	50	~	5.560 U	5.560 U	5.900	5.560 U	5.560 U	5.560 U
Copper	200	~	5.560 U	5.560 U	16.600	15.100	5.670	15.100
Iron	~	~	3,410 B	2,020 B	965 B	281 B	122	112
Lead	25	~	5.560 U	7.090	8.850	5.560 U	5.560 U	5.560 U
Magnesium	35000	~	11,500	14,200	49,000	357,000	23,900	29,500
Manganese	300	~	675	1,860	286	516	647	487
Nickel	100	~	5.560 U	8.830	5.560 U	5.560 U	5.560 U	5.560 U
Potassium	~	~	12,700	18,900	44,000	140,000 B	17,300	14,200
Selenium	10	~	5.150 B	6.170 B	33.400 B	114	1.510	2.440
Sodium	20000	~	245,000	318,000	1,240,000	3,700,000 BD	404,000	159,000
Zinc	2000	~	17.500	19.900	16.700	16.700 U	16.700 U	236
Per- and polyfluoroalkyl compounds (PFAS) (µg/L)								
Perfluorobutanesulfonic acid (PFBS)	~	~	NA	NA	NA	0.0025	NA	0.0024
Perfluorohexanoic acid (PFHxA)	~	~	NA	NA	NA	0.0029	NA	0.0038
Perfluoroheptanoic acid (PFHpA)	~	~	NA	NA	NA	0.002 U	NA	0.0025
Perfluoropentanoic acid (PFPeA)	~	~	NA	NA	NA	0.0041	NA	0.0029
Perfluorohexanesulfonic acid (PFHxS)	~	~	NA	NA	NA	0.002 U	NA	0.0027
Perfluorooctanoic acid (PFOA)	~	0.07	NA	NA	NA	0.004	NA	0.026
Perfluorooctanesulfonic acid (PFOS)	~	0.07	NA	NA	NA	0.0051	NA	0.0098

Notes and Qualifiers:

- Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance Values for Class GA - Drinking Water. PFAS results are compared to the United States Environmental Protection Agency (USEPA) Lifetime Health Advisory Limit.
- Compounds with detections are shown in the table.
- NYSDEC TOGS Standards and Guidance Values exceedances are bolded. There were no exceedances of the USEPA Lifetime Health Advisory Limit.
- µg/l = micrograms per liter
- ~ = Criterion does not exist.
- NA = The analyte was not analyzed for.
- B = Analyte found in the analysis batch blank.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the Reporting Limit (RL) ; the value shown in the table is the RL.
- J = Analyte detected at or above the MDL (method detection limit) but below the RL - data is estimated.

Table 3
Groundwater Sample Analytical Results Summary
CSX Parcel
Bronx, New York
Project No. 170502901

Sample ID	NYSDEC TOGS Standards and Guidance Values - GA	USEPA Lifetime Health Advisory	TMW11_083118 1810021-04 8/31/2018 TMW11	TMW12_083118 1810021-03 8/31/2018 TMW12	TMW14_083118 1810021-05 8/31/2018 TMW14	TMW15_083018 18H1425-11 8/30/2018 TMW15	TMW18_090418 1810093-01 9/4/2018 TMW18	TMW20_090418 1810093-02 9/4/2018 TMW20
Volatile Organic Compounds (µg/l)								
2-Butanone	50	~	0.200 U	0.200 U	0.200 U	0.200 U	0.960 U	0.200 U
Acetone	50	~	2.060 J	1 U	1.460 J	1.880 J	23.900	2
Carbon disulfide	~	~	0.310 J	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Ethyl Benzene	5	~	0.260 J	0.200 U	0.200 U	0.200 U	0.200 U	0.200 U
Methyl tert-butyl ether (MTBE)	10	~	2.330	0.220 J	0.200 U	0.200 U	0.200 U	0.200 U
tert-Butyl alcohol (TBA)	~	~	5.430	0.500 U	0.500 U	0.500 U	0.500 U	0.500 U
Semivolatile Organic Compounds (µg/l)								
Acenaphthene	20	~	0.349	0.0541 U	0.0615	0.0526 U	0.140	0.0513 U
Acenaphthylene	~	~	0.0615	0.184	0.0513 U	0.0526 U	0.0500 U	0.0513 U
Anthracene	50	~	0.205	0.205	0.0513	0.0526 U	0.100	0.0513 U
Benzo(a)anthracene	0.002	~	0.0513 U	0.303	0.0513 U	0.0526 U	0.0500 U	0.0615
Benzo(a)pyrene	0.002	~	0.0513 U	0.454	0.0513 U	0.0526 U	0.0500 U	0.0513
Benzo(b)fluoranthene	0.002	~	0.0513 U	0.400	0.0513 U	0.0526 U	0.0500 U	0.0615
Benzo(g,h,i)perylene	~	~	0.0513 U	0.476	0.0513 U	0.0526 U	0.0500 U	0.0513 U
Benzo(k)fluoranthene	0.002	~	0.0513 U	0.357	0.0513 U	0.0526 U	0.0500 U	0.0513
Bis(2-ethylhexyl)phthalate	5	~	1.370	0.919	8.940 D	0.832	2.490	0.513 U
Chrysene	0.002	~	0.0513	0.292	0.0513 U	0.0526 U	0.0500 U	0.0615
Dibenzo(a,h)anthracene	~	~	0.0513 U	0.130	0.0513 U	0.0526 U	0.0500 U	0.0513 U
Fluoranthene	50	~	0.185	0.389	0.0513 U	0.0526 U	0.140	0.103
Fluorene	50	~	0.226	0.0541 U	0.0513 U	0.0526 U	0.110	0.0513 U
Indeno(1,2,3-cd)pyrene	0.002	~	0.0513 U	0.389	0.0513 U	0.0526 U	0.0500 U	0.0513 U
Naphthalene	10	~	0.226	0.0541 U	0.0513 U	0.0526 U	0.0600	0.0513 U
Phenanthrene	50	~	0.349	0.141	0.133	0.0526 U	0.360	0.0513
Pyrene	50	~	0.174	0.378	0.0615	0.0526 U	0.120	0.0821
Polychlorinated Biphenyls (PCBs) (µg/l)								
Total PCBs	0.09	~	ND	ND	ND	ND	ND	ND
Total Metals (µg/l)								
Aluminum	~	~	576	8,970	13,900	68	36,400	6,180
Antimony	3	~	1.110 U	1.450	3.150	1 U	15.300	4.790
Arsenic	25	~	4.020	10.200	15.100	1.170	15.400	6.210
Barium	1000	~	222	361	227	93.300	1,280	255
Beryllium	3	~	1.110 U	1.110 U	1.110 U	1 U	1.310	1 U
Cadmium	5	~	1.110 U	2.030	12	1 U	12.700	2.970
Calcium	~	~	85,800	214,000	183,000	180,000	273,000	146,000
Chromium	50	~	5 U	39.600	50.700	5.560 U	69.700	13.500
Chromium, Trivalent	~	~	10 U	39.600	50.700	10 U	400 U	400 U
Cobalt	~	~	5 U	13.500	55.100	5.560 U	51.600	5.560 U
Copper	200	~	8.540	173	20.700	15.500	363	223
Cyanide	200	~	10 U	10 U	3.330 D	10 U	99.800	10 U
Iron	~	~	3,820	14,000	21,400	327	62,500	4,810
Lead	25	~	175	999	460	5.560 U	9,520	651
Magnesium	35000	~	11,500	25,100	70,200	360,000	36,400	31,100
Manganese	300	~	697	2,460	10,200	516	3,360	712
Nickel	100	~	5 U	36.400	94.900	5.560 U	73.200	23.600
Potassium	~	~	11,400 B	19,300 B	45,600 B	138,000 B	23,700	14,700
Selenium	10	~	6.950 B	14.900 B	57.700 B	105	23.700	3.680
Sodium	20000	~	234,000	312,000	1,240,000	3,590,000 BD	409,000	165,000
Vanadium	~	~	10 U	146	86.400	11.100 U	154	14.600
Zinc	2000	~	42.100	602	3,700	16.700 U	2,150	975
Dissolved Metals (µg/l)								
Aluminum	~	~	70.600	55.600 U	185	55.600 U	114	55.600 U
Antimony	3	~	1.110 U	1.110 U	2.630	1.110 U	14.800	1.970
Arsenic	25	~	3.290	5.150	5.990	1.650	6.100	1.110 U
Barium	1000	~	187	169	78.500	93.100	263	82.200
Calcium	~	~	86,800	147,000	86,400	179,000	102,000	119,000
Chromium	50	~	5.560 U	5.560 U	5.900	5.560 U	5.560 U	5.560 U
Copper	200	~	5.560 U	5.560 U	16.600	15.100	5.670	15.100
Iron	~	~	3,410 B	2,020 B	965 B	281 B	122	112
Lead	25	~	5.560 U	7.090	8.850	5.560 U	5.560 U	5.560 U
Magnesium	35000	~	11,500	14,200	49,000	357,000	23,900	29,500
Manganese	300	~	675	1,860	286	516	647	487
Nickel	100	~	5.560 U	8.830	5.560 U	5.560 U	5.560 U	5.560 U
Potassium	~	~	12,700	18,900	44,000	140,000 B	17,300	14,200
Selenium	10	~	5.150 B	6.170 B	33.400 B	114	1.510	2.440
Sodium	20000	~	245,000	318,000	1,240,000	3,700,000 BD	404,000	159,000
Zinc	2000	~	17.500	19.900	16.700	16.700 U	16.700 U	236
Per- and polyfluoroalkyl compounds (PFAS) (µg/L)								
Perfluorobutanesulfonic acid (PFBS)	~	~	NA	NA	NA	0.0025	NA	0.0024
Perfluorohexanoic acid (PFHxA)	~	~	NA	NA	NA	0.0029	NA	0.0038
Perfluoroheptanoic acid (PFHpA)	~	~	NA	NA	NA	0.002 U	NA	0.0025
Perfluoropentanoic acid (PFPeA)	~	~	NA	NA	NA	0.0041	NA	0.0029
Perfluorohexanesulfonic acid (PFHxS)	~	~	NA	NA	NA	0.002 U	NA	0.0027
Perfluorooctanoic acid (PFOA)	~	0.07	NA	NA	NA	0.004	NA	0.026
Perfluorooctanesulfonic acid (PFOS)	~	0.07	NA	NA	NA	0.0051	NA	0.0098

Notes and Qualifiers:

- Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and Guidance Values for Class GA - Drinking Water. PFAS results are compared to the United States Environmental Protection Agency (USEPA) Lifetime Health Advisory Limit.
- Compounds with detections are shown in the table.
- NYSDEC TOGS Standards and Guidance Values exceedances are bolded. There were no exceedances of the USEPA Lifetime Health Advisory Limit.
- µg/l = micrograms per liter
- ~ = Criterion does not exist.
- NA = The analyte was not analyzed for.
- B = Analyte found in the analysis batch blank.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the Reporting Limit (RL); the value shown in the table is the RL.
- J = Analyte detected at or above the MDL (method detection limit) but below the RL - data is estimated.

Table 4
Soil Vapor Sample Analytical Results Summary
CSX Parcel
Bronx, New York
Project No. 170502901

Sample ID York ID Sampling Date	NYSDOH Air Guideline Values	SV11_083118 1810007-03 8/31/2018	SV12_083118 1810007-02 8/31/2018	SV15_083118 1810007-01 8/31/2018	SV18_090418 1810094-01 9/4/2018	SV20_090418 1810094-02 9/4/2018
Volatle Organic Compounds (VOCs) (ug/m3)						
1,2,4-Trimethylbenzene	~	350 D	25 D	25 D	13.758 D	28.991 D
1,3,5-Trimethylbenzene	~	300 D	10 D	9.900 D	6.388 D	11.794 D
1,3-Butadiene	~	120 D	1.100 U	1.100 U	1.039 U	1.128 U
2-Butanone	~	440 D	60 D	36 D	85.494 D	147.404 D
2-Hexanone	~	1,400 U	23 D	18 D	49.138 D	85.992 D
4-Methyl-2-pentanone	~	340 DE	9.900 D	0.660 U	0.655 U	0.696 U
Acetone	~	1,800 D	240 D	130 D	92.605 D	332.428 D
Benzene	~	1,500 D	47 D	2,600 D	0.511 U	0.543 U
Bromodichloromethane	~	1,100 U	66 D	1,100 U	1,071 U	1,138 U
Carbon disulfide	~	1,400 D	510 D	22 D	5,603 D	5,292 D
Chloroform	~	0.810 U	440 D	8.100 D	8.297 D	0.830 U
Chloromethane	~	15 D	0.330 U	0.330 U	0.330 U	0.351 U
cis-1,2-Dichloroethylene	~	53 D	0.160 U	0.160 U	0.155 U	0.170 U
Cyclohexane	~	760 D	10 D	0.550 U	0.551 U	0.585 U
Dibromochloromethane	~	1,400 U	6,900 D	1,400 U	1,362 U	1,448 U
Ethyl Benzene	~	1,000 D	24 D	12 D	4,341 D	6,511 D
Isopropanol	~	17 D	5,200 D	4,300 D	0.762 U	0.835 U
Methyl tert-butyl ether (MTBE)	~	5,600 D	4,300 D	0.580 U	0.577 U	0.613 U
Methylene chloride	60	1,200 U	7,900 D	5 D	1,076 U	1,181 U
n-Heptane	~	1,600 D	15 D	4,200 D	0.656 U	5,326 D
n-Hexane	~	2,000 D	13 D	3,800 D	0.564 U	0.599 U
o-Xylene	~	1,100 D	23 D	22 D	11.284 D	17.361 D
p- & m- Xylenes	~	2,000 D	46 D	45 D	17.361 D	27.343 D
p-Ethyltoluene	~	610 D	23 D	24 D	10.811 D	20.639 D
Propylene	~	2,300 D	26 D	24 D	6.537 D	11.182 D
Styrene	~	0.710 U	9,900 D	0.680 U	0.681 U	0.724 U
Tetrachloroethylene	30	32 D	11 D	17 D	0.264 U	21.017 D
Toluene	~	1,600 D	33 D	19 D	4,144 D	5,650 D
Trichloroethylene	2	46 D	6,300 D	0.220 U	0.209 U	0.231 U
Trichlorofluoromethane (Freon 11)	~	0.940 U	37 D	0.900 U	0.899 U	54.480 D
Total VOCs	~	24,983.000	1,732.400	431.900	315.7622	781.411
Methane (ug/m3)						
Methane	~	5.887 D	0.0412 D	0.010466067 U	0.0105 U	0.0111 U

Notes and Qualifiers:

1. Soil vapor analytical results are compared to the New York State Department of Health (NYSDOH) Air Guidance Values (AGVs).
2. Detected compounds are shown in the table.
3. Soil vapor analytical results exceeding the NYSDOH AGVs are bold.
4. µg/m3 = micrograms per cubic meter
5. ~ = Criterion does not exist
6. D = Result is from an analysis that required a dilution.
7. U = The analyte was analyzed for, but was not detected at a level greater than or equal to the reporting limit.
8. E = The result is estimated and cannot be accurately reported due to levels encountered or interferences

Table 5
QA/QC Sample Analytical Results Summary
320 West Fordham Road
Bronx, New York
Project No. 170502901

Sample ID	TB-01_072617	TB02_082918	TB03_083018	TB04_083118	TB05_090418
York ID	18G1148-11	18H1343-07	18H1425-15	18I0021-06	18I0093-03
Sampling Date	7/26/2018	8/29/2018	8/30/2018	8/31/2018	9/4/2018
Volatile Organic Compounds (µg/l)					
Chloromethane	0.200 U	0.210 J	0.200 U	0.200 U	0.200 U

Notes and Qualifiers:

1. QA/QC = Quality Assurance/Quality Control
2. Compounds with detections are shown in the table.
3. µg/l = micrograms per liter
4. J = Analyte detected at or above the method detection limit but below the reporting limit; therefore data is estimated.
5. U = Analyte was analyzed for, but was not detected at a level greater than or equal to the reporting limit; the value shown in the table is the reporting limit.

APPENDIX A

PREVIOUS ENVIRONMENTAL REPORTS

APPENDIX B
GEOPHYSICAL REPORT

GEOPHYSICAL ENGINEERING SURVEY REPORT

Commercial Site
301 West Fordham Road,
Bronx, New York 10468

NOVA PROJECT NUMBER
18-0923

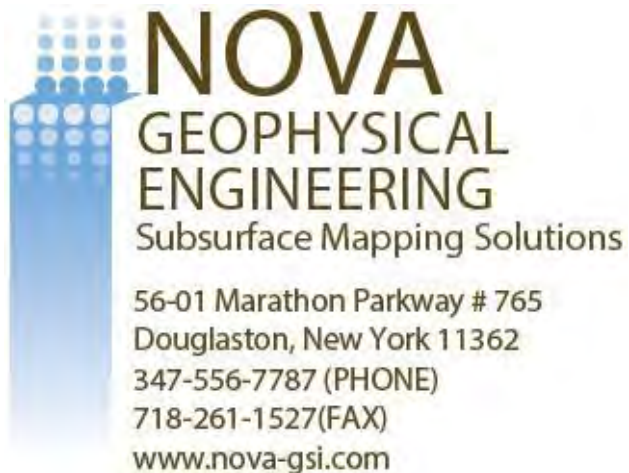
DATED
September 7, 2018

PREPARED FOR:

LANGAN

360 West 31st Street, 8th Floor
New York, NY 10001
www.langan.com

PREPARED BY:



NOVA GEOPHYSICAL SERVICES

SUBSURFACE MAPPING SOLUTIONS

56-01 Marathon Parkway #765, Douglaston, New York 11362
Ph. 347-556-7787 Fax. 718-261-1527
www.nova-gsi.com

September 7, 2018

Sherief Saleh
Senior Staff Scientist

LANGAN

Phone: 212.479.5400 Fax: 212.479.5444
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-2727
Direct: 212.479.5593
Mobile: 551.689.4550

Re: Geophysical Engineering Survey (GES) Report
Commercial Site
301 West Fordham Road,
Bronx, New York 10468

Dear Mr. Saleh:

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site: 301 West Fordham Road, Bronx, New York 10468 (the "Site").

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures on August 29th, 2018.

The equipment selected for this investigation was a Sensors and Software Noggin 250 MHz ground penetrating radar (GPR) with a shielded antenna and a Radio Detection RD7100 Electromagnetic utility locator.

A GPR system consists of a radar control unit, control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The

GEOPHYSICAL ENGINEERING SURVEY REPORT

Commercial Site

301 West Fordham Road,
Bronx, New York 10468

transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

GEOPHYSICAL METHODS

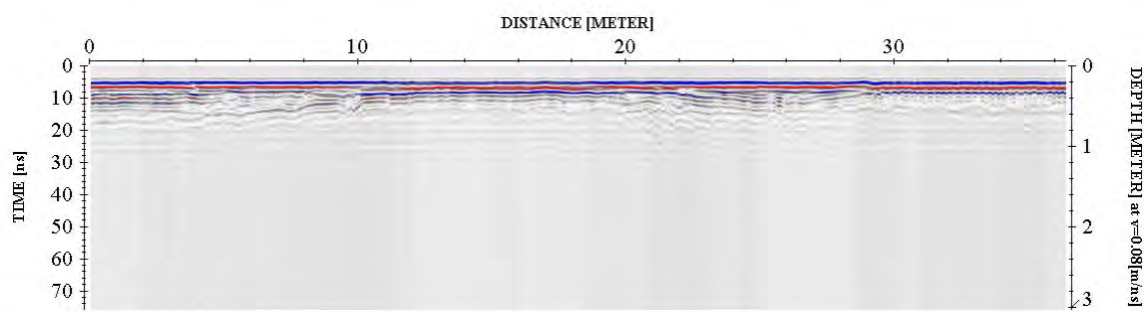
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for the areas of the Site specified by the client and processed as specified below.

DATA PROCESSING

In order to improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing work flow is briefly described in this section.

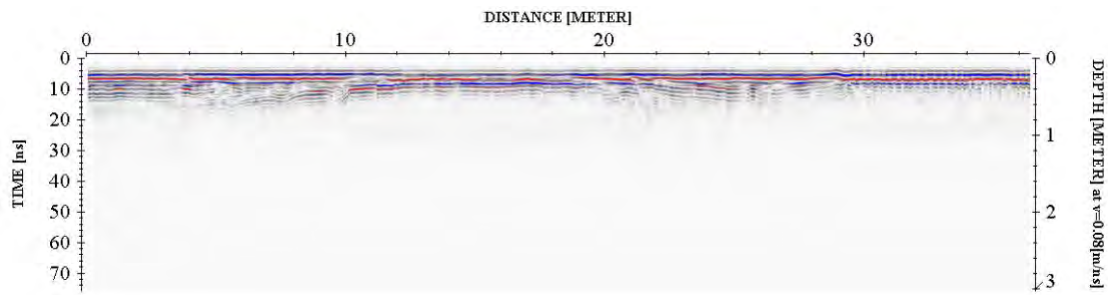
Step 1. Import Raw RAMAC data to standard processing format



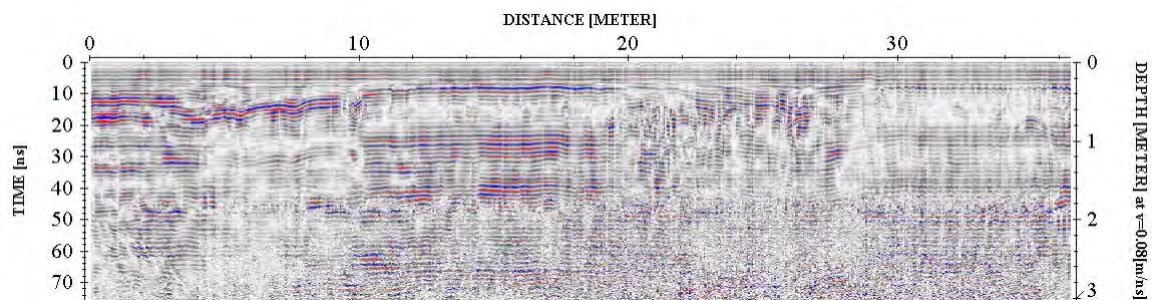
GEOPHYSICAL ENGINEERING SURVEY REPORT

Commercial Site
301 West Fordham Road,
Bronx, New York 10468

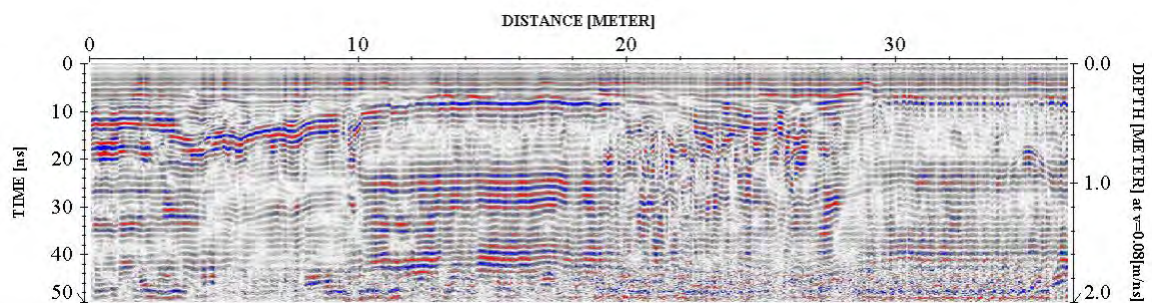
Step 2. Remove instrument noise (*dewow*)



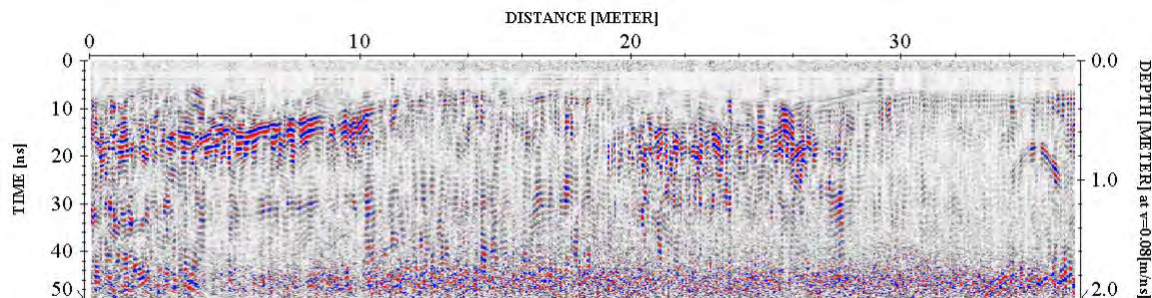
Step 3. Correct for attenuation losses (*energy decay function*)



Step 4. Remove static from bottom of profile (*time cut*)



Step 5. Mute horizontal ringing/noise (*subtracting average*)



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

PHYSICAL SETTINGS

NOVA observed the following physical conditions at the time of the survey.

Weather: Mostly Sunny

Temperature: 95° F

Surface: Concrete, Vegetation, Gravel, Soil

Geophysical Noise Level: Geophysical noise at the site was high due to being in an urban environment, close proximity to high voltage electrical lines for the adjacent railroad, high vegetation, and thick layers of concrete.

RESULTS

The results of the geophysical engineering survey (GES) identified the following at the project site:

- No sewer system was identified within the survey area. Buildings within the survey area appear to use septic tank systems.
- Electric, gas, water, and a set of empty conduits were identified within the survey area and are shown in the survey plan 1.
- No large geophysical anomalies resembling an underground storage tank were identified during the GES.
- All detected subsurface anomalies were marked in the onsite mark out.
- NOVA cleared and marked all of the proposed boring locations at the project site.

GEOPHYSICAL ENGINEERING SURVEY REPORT

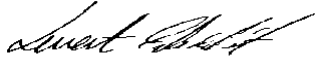
Commercial Site

301 West Fordham Road,
Bronx, New York 10468

If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

NOVA Geophysical Services



Levent Eskicakit, P.G., E.P.

Project Engineer

Attachments:

Geophysical Images

Survey Plan 1

Survey Plan 2

Location Map



SITE LOCATION MAP

LEGEND

<p style="text-align: center;">NOVA Geophysical Services</p> <p style="text-align: center;">Subsurface Mapping Solutions 56-01 Marathon Parkway, # 765 Douglaston, New York 11362 Phone (347) 556-7787 * Fax (718) 261-1527 www.nova-gsi.com</p>	<p>SITE: Commercial Site 301 West Fordham Road, Bronx, New York 10468</p> <p>CLIENT: Langan</p> <p>DATE: August 29th, 2018</p> <p>AUTH: Chris Steinley</p>	
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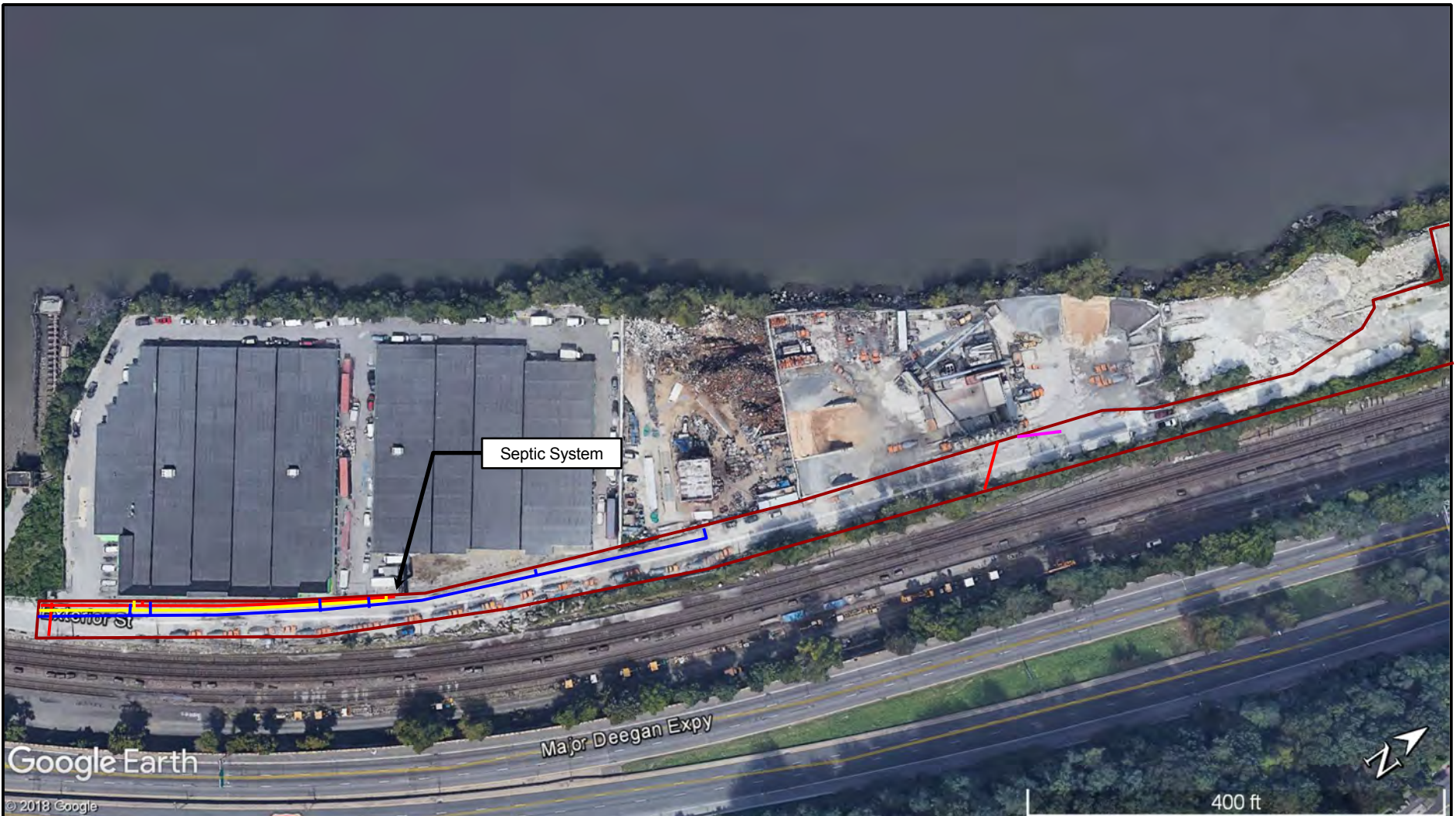







Google Earth

© 2018 Google

400 ft

<p style="text-align: center;">NOVA Geophysical Services</p> <p style="text-align: center;">Subsurface Mapping Solutions 56-01 Marathon Parkway, # 765 Douglaston, New York 11362 Phone (347) 556-7787 * Fax (718) 261-1527 www.nova-gsi.com</p>	SURVEY PLAN 2	LEGEND
	<p>SITE: Commercial Site 301 West Fordham Road, Bronx, New York 10468</p> <p>CLIENT: Langan</p> <p>DATE: August 29th, 2018</p> <p>AUTH: Chris Steinley</p>	<p> Survey Area</p>

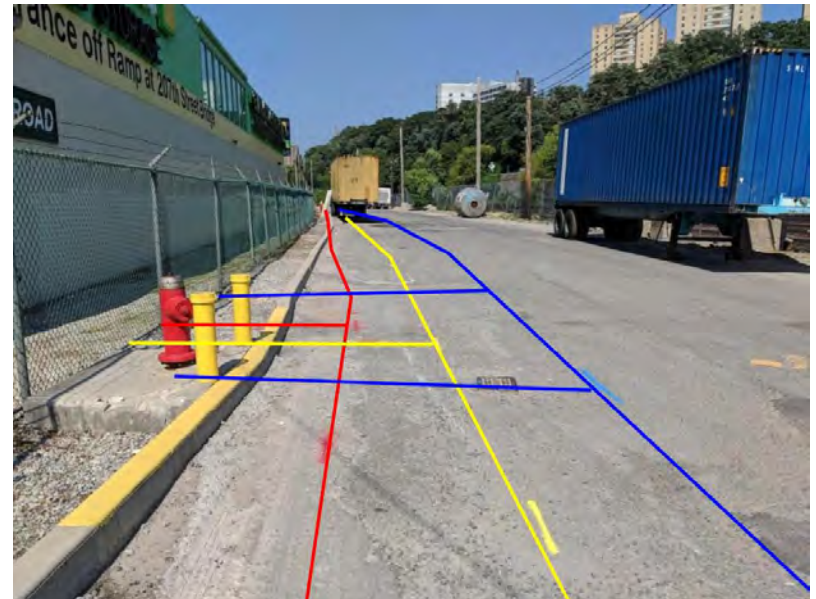
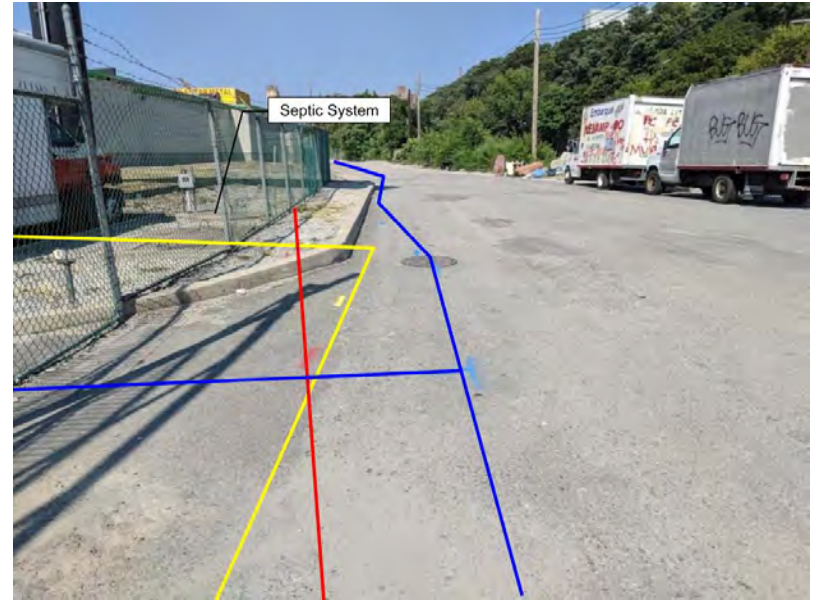


	SURVEY PLAN	LEGEND
<p align="center">NOVA Geophysical Services</p> <p align="center">Subsurface Mapping Solutions 56-01 Marathon Parkway, # 765 Douglaston, New York 11362 Phone (347) 556-7787 * Fax (718) 261-1527 www.nova-gsi.com</p>	<p>SITE: Commercial Site 301 West Fordham Road, Bronx, New York 10468</p> <p>CLIENT: Langan</p> <p>DATE: August 29th, 2018</p> <p>AUTH: Chris Steinley</p>	<p> Survey Area</p> <p> Electric</p> <p> Gas</p> <p> Water</p> <p> Empty Conduits</p>

GEOPHYSICAL IMAGES

Commercial Site

301 West Fordham Road,
Bronx, New York 10468
August 29th, 2018



GEOPHYSICAL IMAGES

Commercial Site

301 West Fordham Road,
Bronx, New York 10468
August 29th, 2018



GEOPHYSICAL IMAGES

Commercial Site

301 West Fordham Road,
Bronx, New York 10468
August 29th, 2018



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301 West Fordham Road,
Bronx, New York 10468

August 29th, 2018



GEOPHYSICAL IMAGES

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August 29th, 2018



GEOPHYSICAL IMAGES

Commercial Site

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Bronx, New York 10468
August 29th, 2018



GEOPHYSICAL IMAGES

Commercial Site

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Bronx, New York 10468
August 29th, 2018



GEOPHYSICAL IMAGES

Commercial Site

301 West Fordham Road,
Bronx, New York 10468
August 29th, 2018



GEOPHYSICAL IMAGES

Commercial Site

301 West Fordham Road,
Bronx, New York 10468

August 29th, 2018



APPENDIX C
SOIL BORING LOGS

LANGAN

Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 7/26/18		Date Finished 7/26/18	
Drilling Equipment Hand Auger				Completion Depth 1.5 ft		Rock Depth NA	
Size and Type of Bit 6-inch hand auger				Number of Samples 2		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Julio Galarza	
Sampler NA				Field Engineer Amanda Duchesne			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

I:\LANGAN.COM\DATA\9170502901\PROJECT DATA\DISCIPLINE\ENVIRONMENTAL\GINTLOGS\320 W. FORDHAM RD. - CSX PARCEL.GPJ ... 9/19/2018 1:51:13 PM ... Report: Log - LANGAN

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in		
		R1 (0-12") gray, fine SAND, trace medium sand, trace fine gravel (wet) [FILL]	0	R1	HA	12/12		0.0	Soil sample collected SP01_0-1 at 15:20
		R2 (0-6") gray, fine SAND, trace medium sand, trace fine gravel (wet) [FILL]	1	R2	HA	6/6		0.0	
			2					0.0	Refusal at 1.5 ft End of boring at 1.5 ft bgs
			3						
			4						
			5						
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

LANGAN

Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 7/26/18		Date Finished 7/26/18	
Drilling Equipment Hand Auger				Completion Depth 1.5 ft		Rock Depth NA	
Size and Type of Bit 6-inch hand auger				Number of Samples 2		Disturbed NA	
Casing Diameter (in) NA				Casing Depth (ft) NA		Undisturbed NA	
Casing Hammer NA				Weight (lbs) NA		Drop (in) NA	
Sampler NA				Drilling Foreman Julio Galarza			
Sampler Hammer NA				Weight (lbs) NA			
				Drop (in) NA			
				Field Engineer Amanda Duchesne			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/ft		
		R1a (0-6") gray, fine SAND, trace silt (moist) [FILL]	0						
		R1b (6-12") dark brown, fine SAND, trace fine gravel, trace medium sand (moist)	1	R1	HA	6/6	12/12	0.0	Soil Sample collected SP02_0-1 at 15:45
		R2 (0-6") dark brown, fine SAND, trace fine gravel, trace medium sand (moist)	2	R2	HA	6/6	12/12	0.0	Refusal at 1.5 ft End of boring at 1.5 ft bgs
			3						
			4						
			5						
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 7/26/18		Date Finished 7/26/18	
Drilling Equipment Hand Auger/Bosch Hammer Drill				Completion Depth 1 ft		Rock Depth NA	
Size and Type of Bit 6-inch hand auger				Number of Samples 1		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA	Drop (in) NA	Drilling Foreman Julio Galarza			
Sampler NA				Field Engineer Amanda Duchesne			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/ft	PID Reading (ppm)	
		R1 (0-12") light gray, fine SAND, trace medium sand, trace fine gravel (moist) [FILL]	0	R1	HA	12/12		0.0	Refusal at 0.25 ft, hammer drill deployed Soil Sample collected SP03_0-1 at 13:18 Refusal at 1 ft End of boring at 1 ft bgs
			1					0.0	
			2						
			3						
			4						
			5						
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 7/26/18		Date Finished 7/26/18	
Drilling Equipment Hand Auger				Completion Depth 2 ft		Rock Depth NA	
Size and Type of Bit 6-inch hand auger				Number of Samples 2		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Julio Galarza	
Sampler NA				Field Engineer Amanda Duchesne			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist	BL/Join		PID Reading (ppm)
		R1 (0-12") brown, fine SAND, trace fine gravel, trace medium sand (dry) [FILL]	0	R1	HA	12/12			0	Soil Sample collected SP04_0-1 at 14:41
		R2 (0-12") brown, fine SAND, trace fine gravel, trace medium sand (moist) [FILL]	1	R2	HA	12/12			0	
			2						0	Refusal at 2 ft
			3						0	End of boring at 2 ft bgs
			4							
			5							
			6							
			7							
			8							
			9							
			10							
			11							
			12							
			13							
			14							
			15							
			16							
			17							
			18							
			19							
			20							

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Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 7/26/18		Date Finished 7/26/18	
Drilling Equipment Hand Auger/Bosch Hammer Drill				Completion Depth 1 ft		Rock Depth NA	
Size and Type of Bit 6-inch hand auger				Number of Samples 1		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Julio Galarza	
Sampler NA				Field Engineer Amanda Duchesne			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/ft	PID Reading (ppm)	
		R1 (0-12") black, fine SAND, trace fine gravel (dry) [FILL]	0	R1	HA	12/12		0.0	Refusal at 0.5 ft, hammer drill deployed Soil Sample collected SP05_0-1 at 12:51 Refusal at 1 ft End of boring at 1 ft bgs
			1					0.0	
			2						
			3						
			4						
			5						
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 7/26/18		Date Finished 7/26/18	
Drilling Equipment Hand Auger/Bosch Hammer Drill				Completion Depth 1 ft		Rock Depth NA	
Size and Type of Bit 6-inch hand auger				Number of Samples 1		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Julio Galarza	
Sampler NA				Field Engineer Amanda Duchesne			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID Reading (ppm)	
		R1 (0-12") dark, greyish brown, fine SAND, trace fine gravel, brick (dry) [FILL]	0	R1	HA	12/12		0.0	Soil Sample collected SP06_0-1 at 14:43 Refusal at 1 ft End of boring at 1 ft bgs
			1					0.0	
			2						
			3						
			4						
			5						
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

LANGAN

Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 7/26/18		Date Finished 7/26/18	
Drilling Equipment Hand Auger				Completion Depth 3 ft		Rock Depth NA	
Size and Type of Bit 6-inch hand auger				Number of Samples 3		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Julio Galarza	
Sampler NA				Field Engineer Amanda Duchesne			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/in	
		R1a (0-2") ASPHALT	0					
		R1b (2-12") reddish-brown, fine SAND, some medium sand, trace fine gravel, brick (dry) [FILL]	1	R1	HA	12/12		0.0
		R2 (0-12") reddish-brown, fine SAND, some medium sand, trace fine gravel, brick (dry) [FILL]	2	R2	HA	12/12		0.0
		R3 (0-12") brown, fine SAND, trace fine gravel (moist)	3	R3	HA	12/12		0.0
			4					0.0
			5					0.0
			6					0.0
			7					0.0
			8					0.0
			9					0.0
			10					0.0
			11					0.0
			12					0.0
			13					0.0
			14					0.0
			15					0.0
			16					0.0
			17					0.0
			18					0.0
			19					0.0
			20					0.0

Soil Sample collected SP07_1-2 at 10:40

Refusal at 3 ft
End of boring 3 ft bgs

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Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 7/26/18		Date Finished 7/26/18	
Drilling Equipment Hand Auger				Completion Depth 1.5 ft		Rock Depth NA	
Size and Type of Bit 6-inch hand auger				Number of Samples 2		Disturbed NA	
Casing Diameter (in) NA				Casing Depth (ft) NA		Undisturbed NA	
Casing Hammer NA				Weight (lbs) NA		Drop (in) NA	
Sampler NA				Water Level (ft.) First NA			
Sampler Hammer NA				Weight (lbs) NA		Drop (in) NA	
				Drilling Foreman Julio Galarza			
				Field Engineer Amanda Duchesne			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/ft	PID Reading (ppm)	
[Cross-hatched symbol]		R1 (0-12") dark brown, fine SAND, trace fine gravel, brick (moist) [FILL]	0	R1	HA	12/12		0.0	Soil Sample collected SP08_0-1 at 11:25
		R2 (0-6") dark brown, fine SAND, trace fine gravel, brick (moist) [FILL]	1	R2	HA	6/6		0.0	
			2					0.0	Refusal at 1.5 ft End of boring at 1.5 ft bgs
			3						
			4						
			5						
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 7/26/18		Date Finished 7/26/18	
Drilling Equipment Hand Auger				Completion Depth 4 ft		Rock Depth NA	
Size and Type of Bit 6-inch hand auger				Number of Samples		Disturbed 4	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.)		First ▽ NA	Completion ▽ NA
Casing Hammer NA		Weight (lbs) NA	Drop (in) NA	Drilling Foreman Julio Galarza			
Sampler NA				Field Engineer Amanda Duchesne			
Sampler Hammer NA		Weight (lbs) NA	Drop (in) NA				

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/6in		PID Reading (ppm)
		R1 (0-12") dark brown, fine SAND, trace fine gravel, brick (dry) [FILL]	0	R1	HA	12/12		0.0	Soil Sample collected SP-09_1-2 at 10:10
		R2 (0-12") dark brown, fine SAND, trace fine gravel, brick (dry) [FILL]	1	R2	HA	12/12		0.0	
		R3 (0-12") dark brown, fine SAND, trace fine gravel (moist)	2	R3	HA	12/12		0.0	
		R4 (0-12") dark brown, fine SAND, trace fine gravel (moist)	3	R4	HA	12/12		0.1	
			4					0.1	Refusal at 4 ft End of boring 4 ft bgs
			5						
			6						
			7						
			8						
			9						
			10						
			11						
			12						
			13						
			14						
			15						
			16						
			17						
			18						
			19						
			20						

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Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 7/26/18		Date Finished 7/26/18	
Drilling Equipment Hand Auger				Completion Depth 2 ft		Rock Depth NA	
Size and Type of Bit 6-inch hand auger				Number of Samples 2		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First NA		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Julio Galarza	
Sampler NA				Field Engineer Amanda Duchesne			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/ft		PID Reading (ppm)
	0	R1 (0-12") dark grey-brown, fine GRAVEL, some medium sand (wet)	0	R1	HA	12/12		0.0	Soil Sample collected SP10_0-1 at 9:15
	1	R2 (0-12") dark grey-brown, fine SAND, some fine gravel (wet)	1	R2	HA	12/12		0.0	
	2		2					0.2	Refusal at 2 ft End of boring at 2 ft bgs
	3		3					0.2	
	4		4						
	5		5						
	6		6						
	7		7						
	8		8						
	9		9						
	10		10						
	11		11						
	12		12						
	13		13						
	14		14						
	15		15						
	16		16						
	17		17						
	18		18						
	19		19						
	20		20						

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Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 8/31/18		Date Finished 8/31/18	
Drilling Equipment Geoprobe 6610DT				Completion Depth 10 ft		Rock Depth NA	
Size and Type of Bit 2-inch Direct Push				Number of Samples		Disturbed 3	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First 5		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Tim Kelly	
Sampler 4-foot Macrocore				Field Engineer Sherief Saleh			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	
		R1a (0-4) Asphalt/Concrete	0					
		R1b (4-36) Dark brown medium SAND, some medium gravel (dry) [FILL]	1	R1	HA	NA		Soil sample collected SP11_1-2 at 1120
		R2a (0-17) Dark brown fine SAND, trace silt, trace fine gravel, brick (moist) [FILL]	5	R2	MC	28/48	0.0	Soil sample collected SP11_5-6 at 1130
		R2b (17-28) Grey-brown medium SAND, trace fine gravel, brick, concrete, glass (wet) [FILL]	6				0.0	
		R3 (0-12) Dark Grey medium SAND, trace fine gravel, brick, glass, concrete (wet) [FILL]	9	R3	MC	12/36	0.0	End of boring at 10 feet bgs. TMW11 screen installed 0-10 feet bgs.
			10					
			11					
			12					
			13					
			14					
			15					
			16					
			17					
			18					
			19					
			20					

Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 8/30/18		Date Finished 8/30/18	
Drilling Equipment Geoprobe 6610DT				Completion Depth 12 ft		Rock Depth NA	
Size and Type of Bit 2-inch Direct Push				Number of Samples 3		Disturbed NA	
Casing Diameter (in) NA				Casing Depth (ft) NA		Core NA	
Casing Hammer NA				Weight (lbs) NA		Drop (in) NA	
Sampler 4-foot Macrocore				Water Level (ft.) First ∇ 6.3 Completion ∇ NA 24 HR. ∇ NA			
Sampler Hammer NA				Drilling Foreman Tim Kelly			
				Field Engineer Sherief Saleh			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)		
				Number	Type	Recov. (in)	Penetr. resist	BL/in		PID Reading (ppm)	
	0	R1a (0-13) Black fine SAND, trace fine gravel, brick (dry) [FILL]	0						0.0	Soil sample collected SP12_0-2 at 1345	
	1	R1b (13-30) Light brown fine SAND, trace gravel, concrete (dry) [FILL]	1						0.0		
	2		2	R1	MC	30/48			0.0		
				3							
				4							
				5							
				6						0.1	Soil sample collected SP12_6-7 at 1355
				7	R2	MC	32/48				
				8							
				9							
				10	R3	MC	48/48				End of boring at 12 feet bgs. TMW12 screen installed 2-12 feet bgs, 2 foot riser.
				11							
			12								
			13								
			14								
			15								
			16								
			17								
			18								
			19								
			20								

Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 8/30/18		Date Finished 8/30/18	
Drilling Equipment Geoprobe 6610DT				Completion Depth 13.5 ft		Rock Depth NA	
Size and Type of Bit 2-inch Direct Push				Number of Samples 4		Disturbed NA	
Casing Diameter (in) NA				Casing Depth (ft) NA		Core NA	
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Number of Samples 4	
Sampler 4-foot Macrocore				Water Level (ft.) First ∇ 9.5		Completion ∇ NA	
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Tim Kelly	
				Field Engineer Sherief Saleh			

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MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/in	
		R1a (0-12) Concrete	0					
		R1b (12-28) Black-brown medium SAND, trace fine gravel, ash (dry) [FILL]	1					
		R1c (28-38) White fine SAND, some medium gravel, concrete (dry) [FILL]	2	R1	MC	38/48		Soil sample collected SP14_0-2 at 1155
			3					
		R2a (0-11) White fine SAND, some fine gravel, concrete (dry) [FILL]	4					
		R2b (11-36) Brown fine SAND, trace fine gravel, ash (dry) [FILL]	5	R2	MC	36/48		
			6					
			7					
			8					
		R3a (0-9) White fine SAND, trace fine gravel, concrete (dry) [FILL]	9					
		R3b (9-18) Brown medium SAND, trace gravel, trace silt (moist) [FILL]	10	R3	MC	30/48		Soil sample collected SP14_9-10 at 1205
			11					
		R3c (18-30) Brown fine SAND, some silt (moist) [SP]	12					
			13	R4	MC	18/18		Weathered bedrock encountered at 13 feet bgs. End of boring at 13.5 feet bgs. TMW14 screen installed 4-13.5 feet bgs, 4 foot riser.
			14					
			15					
			16					
			17					
			18					
			19					
			20					

Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 8/30/18		Date Finished 8/30/18	
Drilling Equipment Geoprobe 6610DT				Completion Depth 20 ft		Rock Depth NA	
Size and Type of Bit 2-inch Direct Push				Number of Samples 5		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First 10.1		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Tim Kelly	
Sampler 4-foot Macrocore				Field Engineer Sherief Saleh			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)		
				Number	Type	Recov. (in)	Penetr. resist	BL/6in		PID Reading (ppm)	
	0										
	1	R1a (0-32) Concrete (dry) [FILL]							0.0	Soil sample collected SP15_0-2 at 1010	
	2		R1	MC	48/48				0.0		
	3	R1b (32-48) Black-brown medium SAND, trace fine sand, trace fine gravel, ash (dry) [FILL]									
	4										
	5										
	6	R2 (0-25) Brown fine SAND, silt, trace gravel (dry) [FILL]		R2	MC	25/48				0.0	
	7										
	8										
	9										
	10	R3a (0-10) Brown medium SAND, trace gravel, ash, concrete (dry) [FILL]		R3	MC	32/48				0.0	
	11	R3b (10-32) Dark brown fine SAND, trace silt, trace fine gravel (wet) [FILL]								0.0	Soil sample collected SP15_10-11 at 1020
	12									0.0	
	13	R4a (0-20) Brown fine SAND, trace fine gravel (wet) [SM]								0.0	
	14			R4	MC	48/48					
	15	R4b (20-48) Black medium SAND, trace gravel, trace silt (wet) [SM]								0.0	
	16										
	17	R5a (0-8) Black medium SAND, trace gravel, trace silt (wet) [SP]									Organic odor
	18			R5	MC	48/48				0.0	
	19	R5b (8-48) Organic silt - PEAT, vegetation, organic matter (wet) [Pt]									
20										End of boring at 20 feet bgs. TMW15 screen installed 10-20 feet bgs, 10 foot riser.	

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Project 320 W Fordham Rd. - CSX Parcel				Project No. 170502901			
Location Bronx				Elevation and Datum NA			
Drilling Company AARCO Environmental Services Corp.				Date Started 8/29/18		Date Finished 8/29/18	
Drilling Equipment Geoprobe 6610DT				Completion Depth 16 ft		Rock Depth NA	
Size and Type of Bit 2-inch Direct Push				Number of Samples 4		Disturbed NA	Undisturbed NA
Casing Diameter (in) NA		Casing Depth (ft) NA		Water Level (ft.) First 12		Completion NA	24 HR. NA
Casing Hammer NA		Weight (lbs) NA		Drop (in) NA		Drilling Foreman Tim Kelly	
Sampler 4-foot Macrocore				Field Engineer Sherief Saleh			
Sampler Hammer NA		Weight (lbs) NA		Drop (in) NA			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist	BL/ft/in		PID Reading (ppm)
			0							
		R1 (0-48) Brown medium SAND, brick, concrete, roots/organic matter (dry) [FILL]	1	R1	MC	48/48			0.0	Soil sample collected SP19_0-2 at 1155
		R2a (0-12) Light grey fine SAND, trace fine gravel (dry) [FILL]	2							
		R2b (12-16) Brown silt, some fine sand, trace gravel (dry) [FILL]	3							
		R2c (16-30) Dark grey SILT (dry) [FILL]	4							
		R2d (30-36) Organic SILT, roots, organic matter (dry) [FILL]	5	R2	MC	36/48			0.0	
		R3a (0-10) Dark grey SILT (dry) [FILL]	6							
		R3b (10-30) Brown fine SAND, trace fine gravel, ash (dry) [FILL]	7							
		R3c (30-36) Grey fine SAND, trace fine gravel, ash (dry) [FILL]	8							
			9							
			10	R3	MC	36/48			0.1	
			11							
			12							
			13							
		R4a (0-4) Dark grey fine SAND, trace silt, trace fine gravel, ash (wet) [FILL]	14	R4	MC	36/48			0.0	Soil sample collected SP19_12-13 at 1205
		R4b (4-360) Dark grey fine SAND, some silt, organic matter (wet) [SM]	15							
			16							End of boring at 16 feet bgs.
			17							
			18							
			19							
			20							

APPENDIX D

ANALYTICAL LABORATORY NYSDOH CERTIFICATION

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015
Revised January 29, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT Q. BRADLEY
YORK ANALYTICAL LABORATORIES INC
120 RESEARCH DRIVE
STRATFORD, CT 06615

NY Lab Id No: 10854

is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:

Acrylates

Acrylonitrile EPA TO-15
Methyl methacrylate EPA TO-15

Chlorinated Hydrocarbons

1,2,4-Trichlorobenzene EPA TO-14A
EPA TO-15
Hexachlorobutadiene EPA TO-14A
EPA TO-15
Hexachloroethane EPA TO-14A
EPA TO-15

Polynuclear Aromatics

Naphthalene EPA TO-14A
EPA TO-15

Purgeable Aromatics

1,2,4-Trimethylbenzene EPA TO-14A
EPA TO-15
1,2-Dichlorobenzene EPA TO-14A
EPA TO-15
1,3,5-Trimethylbenzene EPA TO-14A
EPA TO-15
1,3-Dichlorobenzene EPA TO-14A
EPA TO-15
1,4-Dichlorobenzene EPA TO-14A
EPA TO-15
Benzene EPA TO-14A

Purgeable Aromatics

Benzene EPA TO-15
Chlorobenzene EPA TO-14A
EPA TO-15
Ethyl benzene EPA TO-14A
EPA TO-15
Isopropylbenzene EPA TO-15
Styrene EPA TO-14A
EPA TO-15
Toluene EPA TO-14A
EPA TO-15
Total Xylenes EPA TO-14A
EPA TO-15

Purgeable Halocarbons

1,1,1-Trichloroethane EPA TO-14A
EPA TO-15
1,1,2,2-Tetrachloroethane EPA TO-14A
EPA TO-15
1,1,2-Trichloro-1,2,2-Trifluoroethane EPA TO-14A
EPA TO-15
1,1,2-Trichloroethane EPA TO-14A
EPA TO-15
1,1-Dichloroethane EPA TO-14A
EPA TO-15
1,1-Dichloroethene EPA TO-14A
EPA TO-15

Serial No.: 53634

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.



NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



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ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:

Purgeable Halocarbons

1,2-Dibromoethane	EPA TO-14A
	EPA TO-15
1,2-Dichloroethane	EPA TO-14A
	EPA TO-15
1,2-Dichloropropane	EPA TO-14A
	EPA TO-15
3-Chloropropene (Allyl chloride)	EPA TO-15
Bromodichloromethane	EPA TO-14A
	EPA TO-15
Bromoform	EPA TO-15
Bromomethane	EPA TO-14A
	EPA TO-15
Carbon tetrachloride	EPA TO-14A
	EPA TO-15
Chloroethane	EPA TO-14A
	EPA TO-15
Chloroform	EPA TO-14A
	EPA TO-15
Chloromethane	EPA TO-14A
	EPA TO-15
cis-1,2-Dichloroethene	EPA TO-14A
	EPA TO-15
cis-1,3-Dichloropropene	EPA TO-14A
	EPA TO-15
Dibromochloromethane	EPA TO-15
Dichlorodifluoromethane	EPA TO-14A

Purgeable Halocarbons

Dichlorodifluoromethane	EPA TO-15
Methylene chloride	EPA TO-14A
	EPA TO-15
Tetrachloroethene	EPA TO-14A
	EPA TO-15
trans-1,2-Dichloroethene	EPA TO-14A
	EPA TO-15
trans-1,3-Dichloropropene	EPA TO-14A
	EPA TO-15
Trichloroethene	EPA TO-14A
	EPA TO-15
Trichlorofluoromethane	EPA TO-14A
	EPA TO-15
Vinyl bromide	EPA TO-15
Vinyl chloride	EPA TO-14A
	EPA TO-15

Volatile Chlorinated Organics

Benzyl chloride	EPA TO-15
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Volatile Organics

1,2-Dichlorotetrafluoroethane	EPA TO-14A
	EPA TO-15
1,3-Butadiene	EPA TO-14A
	EPA TO-15
1,4-Dioxane	EPA TO-15
2-Butanone (Methylethyl ketone)	EPA TO-15

Serial No.: 53634

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015
Revised January 29, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT Q. BRADLEY
YORK ANALYTICAL LABORATORIES INC
120 RESEARCH DRIVE
STRATFORD, CT 06615

NY Lab Id No: 10854

*is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES AIR AND EMISSIONS
All approved analytes are listed below:*

Volatile Organics

4-Methyl-2-Pentanone	EPA TO-15
Acetone	EPA TO-15
Carbon Disulfide	EPA TO-15
Cyclohexane	EPA TO-15
Hexane	EPA TO-15
Isopropanol	EPA TO-15
Methyl tert-butyl ether	EPA TO-15
n-Heptane	EPA TO-15
Vinyl acetate	EPA TO-15

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**NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER**



Expires 12:01 AM April 01, 2016
Issued April 01, 2015
Revised February 18, 2016

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MR. ROBERT Q. BRADLEY
YORK ANALYTICAL LABORATORIES INC
120 RESEARCH DRIVE
STRATFORD, CT 06615

NY Lab Id No: 10854

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National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Acrylates

Acrolein (Propenal)	EPA 8260C
	EPA 624
Acrylonitrile	EPA 8260C
	EPA 624
Methyl methacrylate	EPA 8260C

Amines

1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 625
	EPA 8270D
Carbazole	EPA 625
	EPA 8270D
Diphenylamine	EPA 8270D
Pyridine	EPA 625
	EPA 8270D

Benzidines

3,3'-Dichlorobenzidine	EPA 625
	EPA 8270D
Benzidine	EPA 625
	EPA 8270D

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081B
	EPA 608
4,4'-DDE	EPA 8081B
	EPA 608
4,4'-DDT	EPA 8081B
	EPA 608
Aldrin	EPA 8081B
	EPA 608
alpha-BHC	EPA 8081B
	EPA 608
alpha-Chlordane	EPA 8081B
beta-BHC	EPA 8081B
	EPA 608
Chlordane Total	EPA 8081B
	EPA 608
delta-BHC	EPA 8081B
	EPA 608
Dieldrin	EPA 8081B
	EPA 608
Endosulfan I	EPA 8081B
	EPA 608
Endosulfan II	EPA 8081B
	EPA 608
Endosulfan sulfate	EPA 8081B
	EPA 608
Endrin	EPA 8081B

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Chlorinated Hydrocarbon Pesticides

Endrin	EPA 608
Endrin aldehyde	EPA 8081B EPA 608
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B EPA 608
Heptachlor epoxide	EPA 8081B EPA 608
Lindane	EPA 8081B EPA 608
Methoxychlor	EPA 8081B EPA 608
Mirex	EPA 8081B
Toxaphene	EPA 8081B EPA 608

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 625 EPA 8270D
2-Chloronaphthalene	EPA 625 EPA 8270D
Hexachlorobenzene	EPA 625 EPA 8270D

Chlorinated Hydrocarbons

Hexachlorobutadiene	EPA 625 EPA 8270D
Hexachlorocyclopentadiene	EPA 625 EPA 8270D
Hexachloroethane	EPA 625 EPA 8270D
Pentachlorobenzene	EPA 8270D

Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A SM 6640B-01
2,4-D	EPA 8151A
Dicamba	EPA 8151A

Demand

Biochemical Oxygen Demand	SM 5210B-01,-11
Carbonaceous BOD	SM 5210B-01,-11
Chemical Oxygen Demand	SM 5220D-97,-11

Fuel Oxygenates

Di-isopropyl ether	EPA 8260C
Ethanol	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
tert-amyl alcohol	EPA 8260C
tert-amyl methyl ether (TAME)	EPA 8260C
tert-butyl alcohol	EPA 8260C

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Fuel Oxygenates

tert-butyl ethyl ether (ETBE) EPA 8260C

Haloethers

2,2'-Oxybis(1-chloropropane) EPA 625

EPA 8270D

4-Bromophenylphenyl ether EPA 625

EPA 8270D

4-Chlorophenylphenyl ether EPA 625

EPA 8270D

Bis(2-chloroethoxy)methane EPA 625

EPA 8270D

Bis(2-chloroethyl)ether EPA 625

EPA 8270D

Low Level Halocarbons

1,2,3-Trichloropropane, Low Level EPA 8011

1,2-Dibromo-3-chloropropane, Low Level EPA 8011

1,2-Dibromoethane, Low Level EPA 8011

Low Level Polynuclear Aromatics

Acenaphthene Low Level EPA 8270D

Acenaphthylene Low Level EPA 8270D

Anthracene Low Level EPA 8270D

Benzo(a)anthracene Low Level EPA 8270D

Benzo(a)pyrene Low Level EPA 8270D

Benzo(b)fluoranthene Low Level EPA 8270D

Benzo(g,h,i)perylene Low Level EPA 8270D

Low Level Polynuclear Aromatics

Benzo(k)fluoranthene Low Level EPA 8270D

Chrysene Low Level EPA 8270D

Dibenzo(a,h)anthracene Low Level EPA 8270D

Fluoranthene Low Level EPA 8270D

Fluorene Low Level EPA 8270D

Indeno(1,2,3-cd)pyrene Low Level EPA 8270D

Naphthalene Low Level EPA 8270D

Phenanthrene Low Level EPA 8270D

Pyrene Low Level EPA 8270D

Metals I

Barium, Total EPA 200.7 Rev. 4.4

EPA 6010C

EPA 6020A

EPA 200.8 Rev. 5.4

Cadmium, Total EPA 200.7 Rev. 4.4

EPA 6010C

EPA 6020A

EPA 200.8 Rev. 5.4

Calcium, Total EPA 200.7 Rev. 4.4

EPA 6010C

EPA 6020A

Chromium, Total EPA 200.7 Rev. 4.4

EPA 6010C

EPA 6020A

EPA 200.8 Rev. 5.4

Copper, Total EPA 200.7 Rev. 4.4

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Metals I		Metals I	
Copper, Total	EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4	Silver, Total	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4	Sodium, Total	EPA 200.7 Rev. 4.4 EPA 6010C
Lead, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4	Metals II	
Magnesium, Total	EPA 200.7 Rev. 4.4 EPA 6010C	Aluminum, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4	Antimony, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4	Arsenic, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4
Potassium, Total	EPA 200.7 Rev. 4.4 EPA 6010C	Beryllium, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4 EPA 6010C EPA 6020A	Chromium VI	EPA 7196A SM 3500-Cr B-09,-11
		Mercury, Total	EPA 245.1 Rev. 3.0 EPA 245.2 (1974, Rev. 1983) EPA 7470A

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Metals II		Metals III	
Mercury, Total	EPA 7473	Tin, Total	EPA 200.8 Rev. 5.4
Selenium, Total	EPA 200.7 Rev. 4.4	Titanium, Total	EPA 6020A
	EPA 6010C		EPA 200.8 Rev. 5.4
	EPA 6020A		
	EPA 200.8 Rev. 5.4	Mineral	
Vanadium, Total	EPA 200.7 Rev. 4.4	Alkalinity	SM 2320B-97,-11
	EPA 6010C	Calcium Hardness	EPA 200.7 Rev. 4.4
	EPA 6020A	Chloride	EPA 300.0 Rev. 2.1
	EPA 200.8 Rev. 5.4	Fluoride, Total	EPA 300.0 Rev. 2.1
Zinc, Total	EPA 200.7 Rev. 4.4	Hardness, Total	EPA 200.7 Rev. 4.4
	EPA 6010C	Sulfate (as SO ₄)	EPA 300.0 Rev. 2.1
	EPA 6020A	Miscellaneous	
	EPA 200.8 Rev. 5.4	Boron, Total	EPA 6020A
			EPA 200.8 Rev. 5.4
Metals III		Bromide	EPA 300.0 Rev. 2.1
Cobalt, Total	EPA 200.7 Rev. 4.4	Color	SM 2120B-01,-11
	EPA 6010C	Cyanide, Total	SM 4500-CN E-99,-11
	EPA 6020A	Oil and Grease Total Recoverable (HEM)	EPA 1664A
	EPA 200.8 Rev. 5.4	Organic Carbon, Total	SM 5310C-00,-11
Molybdenum, Total	EPA 6020A	Phenols	EPA 420.1 Rev. 1978
	EPA 200.8 Rev. 5.4	Specific Conductance	EPA 120.1 Rev. 1982
Thallium, Total	EPA 200.7 Rev. 4.4	Sulfide (as S)	SM 4500-S2- F-00,-11
	EPA 6010C	Surfactant (MBAS)	SM 5540C-00,-11
	EPA 6020A	Turbidity	EPA 180.1 Rev. 2.0
	EPA 200.8 Rev. 5.4		
Tin, Total	EPA 6020A		

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All approved analytes are listed below:*

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 625 EPA 8270D
2,6-Dinitrotoluene	EPA 625 EPA 8270D
Isophorone	EPA 625 EPA 8270D
Nitrobenzene	EPA 625 EPA 8270D

Nitrosoamines

N-Nitrosodimethylamine	EPA 625 EPA 8270D
N-Nitrosodi-n-propylamine	EPA 625 EPA 8270D
N-Nitrosodiphenylamine	EPA 625 EPA 8270D

Nutrient

Ammonia (as N)	SM 4500-NH3 H-97,-11 SM 4500-NH3 D or E-97,-11
Kjeldahl Nitrogen, Total	SM 4500-N Org D-97,-11 SM 4500-NH3 D or E-97,-11
Nitrate (as N)	EPA 300.0 Rev. 2.1 SM 4500-NO3 F-00,-11
Nitrite (as N)	EPA 300.0 Rev. 2.1 SM 4500-NO3 F-00,-11
Orthophosphate (as P)	EPA 300.0 Rev. 2.1

Nutrient

Orthophosphate (as P)	SM 4500-P E-99,-11
Phosphorus, Total	SM 4500-P E-99,-11

Organophosphate Pesticides

Atrazine	EPA 8270D
Parathion ethyl	EPA 8270D

Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015D
Gasoline Range Organics	EPA 8015D

Phthalate Esters

Benzyl butyl phthalate	EPA 625 EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 625 EPA 8270D
Diethyl phthalate	EPA 625 EPA 8270D
Dimethyl phthalate	EPA 625 EPA 8270D
Di-n-butyl phthalate	EPA 625 EPA 8270D
Di-n-octyl phthalate	EPA 625 EPA 8270D

Polychlorinated Biphenyls

PCB-1016	EPA 8082A EPA 608
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Polychlorinated Biphenyls

PCB-1221	EPA 8082A EPA 608
PCB-1232	EPA 8082A EPA 608
PCB-1242	EPA 8082A EPA 608
PCB-1248	EPA 8082A EPA 608
PCB-1254	EPA 8082A EPA 608
PCB-1260	EPA 8082A EPA 608
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A

Polynuclear Aromatics

Acenaphthene	EPA 625 EPA 8270D
Acenaphthylene	EPA 625 EPA 8270D
Anthracene	EPA 625 EPA 8270D
Benzo(a)anthracene	EPA 625 EPA 8270D
Benzo(a)pyrene	EPA 625 EPA 8270D

Polynuclear Aromatics

Benzo(b)fluoranthene	EPA 625 EPA 8270D
Benzo(ghi)perylene	EPA 625 EPA 8270D
Benzo(k)fluoranthene	EPA 625 EPA 8270D
Chrysene	EPA 625 EPA 8270D
Dibenzo(a,h)anthracene	EPA 625 EPA 8270D
Fluoranthene	EPA 625 EPA 8270D
Fluorene	EPA 625 EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 625 EPA 8270D
Naphthalene	EPA 625 EPA 8270D
Phenanthrene	EPA 625 EPA 8270D
Pyrene	EPA 625 EPA 8270D

Priority Pollutant Phenols

2,3,4,6-Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 625

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Priority Pollutant Phenols

2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 625 EPA 8270D
2,4-Dichlorophenol	EPA 625 EPA 8270D
2,4-Dimethylphenol	EPA 625 EPA 8270D
2,4-Dinitrophenol	EPA 625 EPA 8270D
2-Chlorophenol	EPA 625 EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 625 EPA 8270D
2-Methylphenol	EPA 625 EPA 8270D
2-Nitrophenol	EPA 625 EPA 8270D
4-Chloro-3-methylphenol	EPA 625 EPA 8270D
4-Methylphenol	EPA 625 EPA 8270D
4-Nitrophenol	EPA 625 EPA 8270D
Cresols, Total	EPA 8270D
Pentachlorophenol	EPA 625 EPA 8270D

Priority Pollutant Phenols

Phenol	EPA 625 EPA 8270D
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Residue

Settleable Solids	SM 2540 F-97,-11
Solids, Total	SM 2540 B-97,-11
Solids, Total Dissolved	SM 2540 C-97,-11
Solids, Total Suspended	SM 2540 D-97,-11

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
alpha-Terpineol	EPA 625
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C

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Volatile Aromatics

1,2-Dichlorobenzene	EPA 624
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
	EPA 624
1,4-Dichlorobenzene	EPA 8260C
	EPA 624
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
	EPA 624
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
	EPA 624
Ethyl benzene	EPA 8260C
	EPA 624
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
	EPA 624
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
	EPA 624
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C

Volatile Aromatics

Styrene	EPA 624
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
	EPA 624
Total Xylenes	EPA 8260C
	EPA 624

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C
	EPA 624
1,1,2,2-Tetrachloroethane	EPA 8260C
	EPA 624
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
	EPA 624
1,1-Dichloroethane	EPA 8260C
	EPA 624
1,1-Dichloroethene	EPA 8260C
	EPA 624
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
	EPA 624

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National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER

All approved analytes are listed below:

Volatile Halocarbons

1,2-Dichloropropane	EPA 8260C EPA 624
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C EPA 624
Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 8260C EPA 624
Bromoform	EPA 8260C EPA 624
Bromomethane	EPA 8260C EPA 624
Carbon tetrachloride	EPA 8260C EPA 624
Chloroethane	EPA 8260C EPA 624
Chloroform	EPA 8260C EPA 624
Chloromethane	EPA 8260C EPA 624
cis-1,2-Dichloroethene	EPA 8260C EPA 624
cis-1,3-Dichloropropene	EPA 8260C EPA 624
Dibromochloromethane	EPA 8260C

Volatile Halocarbons

Dibromochloromethane	EPA 624
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C EPA 624
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 8260C EPA 624
Tetrachloroethene	EPA 8260C EPA 624
trans-1,2-Dichloroethene	EPA 8260C EPA 624
trans-1,3-Dichloropropene	EPA 8260C EPA 624
trans-1,4-Dichloro-2-butene	EPA 8260C
Trichloroethene	EPA 8260C EPA 624
Trichlorofluoromethane	EPA 8260C EPA 624
Vinyl chloride	EPA 8260C EPA 624

Volatiles Organics

1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C

Serial No.: 53699

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER



Expires 12:01 AM April 01, 2016
Issued April 01, 2015
Revised February 18, 2016

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT Q. BRADLEY
YORK ANALYTICAL LABORATORIES INC
120 RESEARCH DRIVE
STRATFORD, CT 06615

NY Lab Id No: 10854

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National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:*

Volatiles Organics

Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C
Vinyl acetate	EPA 8260C

Sample Preparation Methods

SM 4500-P B(5)-99,-11
EPA 5030C
SM 4500-CN B or C-99,-11
EPA 3015A
EPA 3010A
EPA 3510C
SM 4500-N Org B or C-97,-11

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All approved analytes are listed below:*

Acrylates

Acrolein (Propenal)	EPA 8260C
Acrylonitrile	EPA 8260C
Methyl methacrylate	EPA 8260C

Amines

1,2-Diphenylhydrazine	EPA 8270D
2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Diphenylamine	EPA 8270D

Benzidines

3,3'-Dichlorobenzidine	EPA 8270D
Benzidine	EPA 8270D

Characteristic Testing

Corrosivity	EPA 9045D
Ignitability	EPA 1010A
Synthetic Precipitation Leaching Proc.	EPA 1312
TCLP	EPA 1311

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081B
4,4'-DDE	EPA 8081B
4,4'-DDT	EPA 8081B

Chlorinated Hydrocarbon Pesticides

Aldrin	EPA 8081B
alpha-BHC	EPA 8081B
alpha-Chlordane	EPA 8081B
Atrazine	EPA 8270D
beta-BHC	EPA 8081B
Chlordane Total	EPA 8081B
delta-BHC	EPA 8081B
Dieldrin	EPA 8081B
Endosulfan I	EPA 8081B
Endosulfan II	EPA 8081B
Endosulfan sulfate	EPA 8081B
Endrin	EPA 8081B
Endrin aldehyde	EPA 8081B
Endrin Ketone	EPA 8081B
gamma-Chlordane	EPA 8081B
Heptachlor	EPA 8081B
Heptachlor epoxide	EPA 8081B
Lindane	EPA 8081B
Methoxychlor	EPA 8081B
Mirex	EPA 8081B
Toxaphene	EPA 8081B

Chlorinated Hydrocarbons

1,2,3-Trichlorobenzene	EPA 8260C
1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 8270D

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All approved analytes are listed below:

Chlorinated Hydrocarbons

2-Chloronaphthalene	EPA 8270D
Hexachlorobenzene	EPA 8270D
Hexachlorobutadiene	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270D
Hexachloroethane	EPA 8270D

Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dicamba	EPA 8151A

Haloethers

2,2'-Oxybis(1-chloropropane)	EPA 8270D
4-Bromophenylphenyl ether	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D

Metals I

Barium, Total	EPA 6010C
	EPA 6020A
Cadmium, Total	EPA 6010C
	EPA 6020A
Calcium, Total	EPA 6010C
Chromium, Total	EPA 6010C
	EPA 6020A

Metals I

Copper, Total	EPA 6010C
	EPA 6020A
Iron, Total	EPA 6010C
Lead, Total	EPA 6010C
	EPA 6020A
Magnesium, Total	EPA 6010C
Manganese, Total	EPA 6010C
	EPA 6020A
Nickel, Total	EPA 6010C
	EPA 6020A
Potassium, Total	EPA 6010C
Silver, Total	EPA 6010C
	EPA 6020A
Sodium, Total	EPA 6010C

Metals II

Aluminum, Total	EPA 6010C
	EPA 6020A
Antimony, Total	EPA 6010C
	EPA 6020A
Arsenic, Total	EPA 6010C
	EPA 6020A
Beryllium, Total	EPA 6010C
	EPA 6020A
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471B

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All approved analytes are listed below:*

Metals II

Mercury, Total	EPA 7473
Selenium, Total	EPA 6010C EPA 6020A
Vanadium, Total	EPA 6010C EPA 6020A
Zinc, Total	EPA 6010C EPA 6020A

Metals III

Cobalt, Total	EPA 6010C EPA 6020A
Molybdenum, Total	EPA 6020A
Thallium, Total	EPA 6010C EPA 6020A
Tin, Total	EPA 6020A
Titanium, Total	EPA 6020A

Miscellaneous

Boron, Total	EPA 6020A
Cyanide, Total	EPA 9014
Extractable Organic Halides	EPA 9023

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 8270D
2,6-Dinitrotoluene	EPA 8270D
Isophorone	EPA 8270D
Nitrobenzene	EPA 8270D

Nitroaromatics and Isophorone

Pyridine	EPA 8270D
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Nitrosoamines

N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D

Organophosphate Pesticides

Parathion ethyl	EPA 8270D
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Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015D
Gasoline Range Organics	EPA 8015D

Phthalate Esters

Benzyl butyl phthalate	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270D
Diethyl phthalate	EPA 8270D
Dimethyl phthalate	EPA 8270D
Di-n-butyl phthalate	EPA 8270D
Di-n-octyl phthalate	EPA 8270D

Polychlorinated Biphenyls

PCB-1016	EPA 8082A
PCB-1221	EPA 8082A
PCB-1232	EPA 8082A
PCB-1242	EPA 8082A
PCB-1248	EPA 8082A

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Polychlorinated Biphenyls

PCB-1254	EPA 8082A
PCB-1260	EPA 8082A
PCB-1262	EPA 8082A
PCB-1268	EPA 8082A
PCBs in Oil	EPA 8082A

Polynuclear Aromatic Hydrocarbons

Acenaphthene	EPA 8270D
Acenaphthylene	EPA 8270D
Anthracene	EPA 8270D
Benzo(a)anthracene	EPA 8270D
Benzo(a)pyrene	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D
Benzo(ghi)perylene	EPA 8270D
Benzo(k)fluoranthene	EPA 8270D
Chrysene	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D
Fluoranthene	EPA 8270D
Fluorene	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D
Naphthalene	EPA 8270D
Phenanthrene	EPA 8270D
Pyrene	EPA 8270D

Priority Pollutant Phenols

2,3,4,6 Tetrachlorophenol	EPA 8270D
2,4,5-Trichlorophenol	EPA 8270D

Priority Pollutant Phenols

2,4,6-Trichlorophenol	EPA 8270D
2,4-Dichlorophenol	EPA 8270D
2,4-Dimethylphenol	EPA 8270D
2,4-Dinitrophenol	EPA 8270D
2-Chlorophenol	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270D
Pentachlorophenol	EPA 8270D
Phenol	EPA 8270D

Semi-Volatile Organics

1,1'-Biphenyl	EPA 8270D
1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Acetophenone	EPA 8270D
Benzaldehyde	EPA 8270D
Benzoic Acid	EPA 8270D
Benzyl alcohol	EPA 8270D
Caprolactam	EPA 8270D
Dibenzofuran	EPA 8270D

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C
2-Chlorotoluene	EPA 8260C
4-Chlorotoluene	EPA 8260C
Benzene	EPA 8260C
Bromobenzene	EPA 8260C
Chlorobenzene	EPA 8260C
Ethyl benzene	EPA 8260C
Isopropylbenzene	EPA 8260C
m/p-Xylenes	EPA 8260C
Naphthalene, Volatile	EPA 8260C
n-Butylbenzene	EPA 8260C
n-Propylbenzene	EPA 8260C
o-Xylene	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C
sec-Butylbenzene	EPA 8260C
Styrene	EPA 8260C
tert-Butylbenzene	EPA 8260C
Toluene	EPA 8260C
Total Xylenes	EPA 8260C

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260C
1,1,1-Trichloroethane	EPA 8260C
1,1,2,2-Tetrachloroethane	EPA 8260C
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,1,2-Trichloroethane	EPA 8260C
1,1-Dichloroethane	EPA 8260C
1,1-Dichloroethene	EPA 8260C
1,1-Dichloropropene	EPA 8260C
1,2,3-Trichloropropane	EPA 8260C
1,2-Dibromo-3-chloropropane	EPA 8260C
1,2-Dibromoethane	EPA 8260C
1,2-Dichloroethane	EPA 8260C
1,2-Dichloropropane	EPA 8260C
1,3-Dichloropropane	EPA 8260C
2,2-Dichloropropane	EPA 8260C
2-Chloroethylvinyl ether	EPA 8260C
Bromochloromethane	EPA 8260C
Bromodichloromethane	EPA 8260C
Bromoform	EPA 8260C
Bromomethane	EPA 8260C
Carbon tetrachloride	EPA 8260C
Chloroethane	EPA 8260C
Chloroform	EPA 8260C
Chloromethane	EPA 8260C
cis-1,2-Dichloroethene	EPA 8260C
cis-1,3-Dichloropropene	EPA 8260C

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ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE*

All approved analytes are listed below:

Volatile Halocarbons

Dibromochloromethane	EPA 8260C
Dibromomethane	EPA 8260C
Dichlorodifluoromethane	EPA 8260C
Hexachlorobutadiene, Volatile	EPA 8260C
Methylene chloride	EPA 8260C
Tetrachloroethene	EPA 8260C
trans-1,2-Dichloroethene	EPA 8260C
trans-1,3-Dichloropropene	EPA 8260C
Trichloroethene	EPA 8260C
Trichlorofluoromethane	EPA 8260C
Vinyl chloride	EPA 8260C

Sample Preparation Methods

EPA 5035A-L
EPA 5035A-H
EPA 3580A
EPA 3010A
EPA 3050B
EPA 3550C
EPA 3546
EPA 3545A
EPA 3060A
EPA 9010C

Volatile Organics

1,4-Dioxane	EPA 8260C
2-Butanone (Methylethyl ketone)	EPA 8260C
2-Hexanone	EPA 8260C
4-Methyl-2-Pentanone	EPA 8260C
Acetone	EPA 8260C
Carbon Disulfide	EPA 8260C
Cyclohexane	EPA 8260C
Methyl acetate	EPA 8260C
Methyl cyclohexane	EPA 8260C
Methyl tert-butyl ether	EPA 8260C
tert-butyl alcohol	EPA 8260C
Vinyl acetate	EPA 8260C

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APPENDIX E

GROUNDWATER SAMPLING LOGS

APPENDIX F
SOIL VAPOR SAMPLE POINT CONSTRUCTION AND
SAMPLING LOGS

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV11_083118

PROJECT: 320 W Fordham Road - CSX Lots		PROJECT NO.: 170502901																			
LOCATION: 320 W Fordham Road, Bronx, NY 10468		SURFACE ELEVATION AND DATUM: 10'																			
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services, Corp.		INSTALLATION DATE STARTED: 8/31/2018	DATE FINISHED: 8/31/2018																		
INSTALLATION FOREMAN: Tim Kelly		SAMPLE DATE STARTED: 8/31/2018	DATE FINISHED: 8/31/2018																		
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister																			
INSPECTOR: Sherief Saleh		SAMPLER: Adam Kaiser																			
POTENTIAL SAMPLE INTERFERENCES: None observed		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 76 Wind: E Precipitation: NONE Pressure: 30.29																			
METHOD OF INSTALLATION AND PURGING: Advance Geoprobe 6610 DT to 3 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 1 feet bgs, seal with hydrated bentonite to 0 feet bgs, and seal to surface with hydrated bentonite.																					
TUBING TYPE/DIAMETER: 1/4-Inch Teflon-lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: backfill																			
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite																			
BOREHOLE DIAMETER: 2 inch		FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 Sand																			
PURGE VOLUME (L): 1L		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align:center;">IMPLANT/PROBE DETAILS</th> <th rowspan="2" style="text-align:center;">DEPTH (FEET FROM SURFACE)</th> <th rowspan="2" style="text-align:center;">NOTES</th> </tr> <tr> <th colspan="2" style="text-align:center;">(SEAL, FILTER, ETC.)</th> </tr> </thead> <tbody> <tr> <td style="text-align:center;">SURFACE</td> <td style="text-align:center;">SURFACE</td> <td style="text-align:center;">Top of Seal</td> <td style="text-align:center;">0.00</td> </tr> <tr> <td colspan="2" style="text-align:center;">Top of Pack</td> <td style="text-align:center;">1.00</td> <td></td> </tr> <tr> <td colspan="2" style="text-align:center;">Probe Depth</td> <td style="text-align:center;">3.00</td> <td></td> </tr> </tbody> </table>		IMPLANT/PROBE DETAILS		DEPTH (FEET FROM SURFACE)	NOTES	(SEAL, FILTER, ETC.)		SURFACE	SURFACE	Top of Seal	0.00	Top of Pack		1.00		Probe Depth		3.00	
IMPLANT/PROBE DETAILS				DEPTH (FEET FROM SURFACE)	NOTES																
(SEAL, FILTER, ETC.)																					
SURFACE	SURFACE			Top of Seal	0.00																
Top of Pack				1.00																	
Probe Depth				3.00																	
PURGE FLOW RATE (ML/MIN): 200																					
PID AFTER PURGE (PPM): 1.6																					
HELIUM TESTS																					
Pre-sampling Post-sampling																					
HELIUM TEST IN BUCKET(%): 13.0% 13.0%																					
HELIUM TEST IN TUBE (PPM): 0.0% 0.0%																					
SAMPLE START TIME: 12:09																					
SAMPLE STOP TIME: 14:19																					
TOTAL SAMPLE TIME (MIN): 130																					
REGULATOR FLOW RATE (L/MIN): 0.046																					
VOLUME OF SAMPLE (LITERS): 6																					
PID AFTER SAMPLE (PPM): 1																					
SAMPLE MOISTURE CONTENT: NA																					
CAN SERIAL NUMBER: 23993																					
REGULATOR SERIAL NUMBER: Y36																					
CAN START VACUUM PRESS. (" HG): 29.64																					
CAN STOP VACUUM PRESS. (" HG): 6.06																					
SAMPLE LOCATION SKETCH																					
NOTES																					
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727																					

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV12_083118

PROJECT: 320 W Fordham Road - CSX Lots		PROJECT NO.: 170502901																				
LOCATION: 320 W Fordham Road, Bronx, NY 10468		SURFACE ELEVATION AND DATUM: 10'																				
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services, Corp.		INSTALLATION DATE STARTED: 8/30/2018	DATE FINISHED: 8/30/2018																			
INSTALLATION FOREMAN: Tim Kelly		SAMPLE DATE STARTED: 8/31/2018	DATE FINISHED: 8/31/2018																			
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister																				
INSPECTOR: Sherief Saleh		SAMPLER: Adam Kaiser																				
POTENTIAL SAMPLE INTERFERENCES: None observed		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 76 Wind: E Precipitation: NONE Pressure: 30.29																				
METHOD OF INSTALLATION AND PURGING: Advance Geoprobe 6610 DT to 4 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 2 feet bgs, seal with hydrated bentonite to 0 feet bgs, and seal to surface with hydrated bentonite.																						
TUBING TYPE/DIAMETER: 1/4-Inch Teflon-lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: backfill																				
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite																				
BOREHOLE DIAMETER: 2 inch		FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 Sand																				
PURGE VOLUME (L): 1L		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">IMPLANT/PROBE DETAILS</th> <th style="text-align: center;">DEPTH</th> <th rowspan="2" style="text-align: center;">NOTES</th> </tr> <tr> <th colspan="2" style="text-align: center;">(SEAL, FILTER, ETC.)</th> <th style="text-align: center;">(FEET FROM SURFACE)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">SURFACE</td> <td style="text-align: center;">SURFACE</td> <td style="text-align: center;">Top of Seal</td> <td style="text-align: center;">0.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">Top of Pack</td> <td style="text-align: center;">2.00</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: center;">Probe Depth</td> <td style="text-align: center;">4.00</td> <td></td> </tr> </tbody> </table>		IMPLANT/PROBE DETAILS		DEPTH	NOTES	(SEAL, FILTER, ETC.)		(FEET FROM SURFACE)	SURFACE	SURFACE	Top of Seal	0.00	Top of Pack		2.00		Probe Depth		4.00	
IMPLANT/PROBE DETAILS				DEPTH	NOTES																	
(SEAL, FILTER, ETC.)				(FEET FROM SURFACE)																		
SURFACE	SURFACE			Top of Seal	0.00																	
Top of Pack				2.00																		
Probe Depth				4.00																		
PURGE FLOW RATE (ML/MIN): 200																						
PID AFTER PURGE (PPM): 0.3																						
HELIUM TESTS																						
Pre-sampling Post-sampling																						
HELIUM TEST IN BUCKET(%): 14.0% 11.0%																						
HELIUM TEST IN TUBE (PPM): 0.0% 0.0%																						
SAMPLE START TIME: 8:57																						
SAMPLE STOP TIME: 10:56																						
TOTAL SAMPLE TIME (MIN): 119																						
REGULATOR FLOW RATE (L/MIN): 0.05																						
VOLUME OF SAMPLE (LITERS): 6																						
PID AFTER SAMPLE (PPM): 2.1																						
SAMPLE MOISTURE CONTENT: NA																						
CAN SERIAL NUMBER: 28303																						
REGULATOR SERIAL NUMBER: 3542																						
CAN START VACUUM PRESS. (" HG): 28.32																						
CAN STOP VACUUM PRESS. (" HG): 4.97																						
SAMPLE LOCATION SKETCH																						
NOTES																						
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727																						

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV15_083118

PROJECT: 320 W Fordham Road - CSX Lots		PROJECT NO.: 170502901																									
LOCATION: 320 W Fordham Road, Bronx, NY 10468		SURFACE ELEVATION AND DATUM: 10'																									
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services, Corp.		INSTALLATION DATE STARTED: 8/30/2018	DATE FINISHED: 8/30/2018																								
INSTALLATION FOREMAN: Tim Kelly		SAMPLE DATE STARTED: 8/31/2018	DATE FINISHED: 8/31/2018																								
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister																									
INSPECTOR: Sherief Saleh		SAMPLER: Sherief Saleh																									
POTENTIAL SAMPLE INTERFERENCES: None observed		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 76 Wind: E Precipitation: NONE Pressure: 30.29																									
METHOD OF INSTALLATION AND PURGING: Advance Geoprobe 6610 DT to 8 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 6 feet bgs, seal with hydrated bentonite to 0 feet bgs, and seal to surface with hydrated bentonite.																											
TUBING TYPE/DIAMETER: 1/4-Inch Teflon-lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: backfill																									
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite																									
BOREHOLE DIAMETER: 2 inch		FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 Sand																									
PURGE VOLUME (L): 1L		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">IMPLANT/PROBE DETAILS</th> <th style="text-align: center;">DEPTH</th> <th style="text-align: center;">NOTES</th> </tr> <tr> <th colspan="2" style="text-align: center;">(SEAL, FILTER, ETC.)</th> <th style="text-align: center;">(FEET FROM SURFACE)</th> <th></th> </tr> <tr> <th style="text-align: center;">SURFACE</th> <th style="text-align: center;">SURFACE</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Top of Seal</td> <td style="text-align: center;">Top of Seal</td> <td style="text-align: center;">0.00</td> <td></td> </tr> <tr> <td style="text-align: center;">Top of Pack</td> <td style="text-align: center;">Top of Pack</td> <td style="text-align: center;">6.00</td> <td></td> </tr> <tr> <td style="text-align: center;">Probe Depth</td> <td style="text-align: center;">Probe Depth</td> <td style="text-align: center;">8.00</td> <td></td> </tr> </tbody> </table>		IMPLANT/PROBE DETAILS		DEPTH	NOTES	(SEAL, FILTER, ETC.)		(FEET FROM SURFACE)		SURFACE	SURFACE			Top of Seal	Top of Seal	0.00		Top of Pack	Top of Pack	6.00		Probe Depth	Probe Depth	8.00	
IMPLANT/PROBE DETAILS				DEPTH	NOTES																						
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SURFACE	SURFACE																										
Top of Seal	Top of Seal			0.00																							
Top of Pack	Top of Pack			6.00																							
Probe Depth	Probe Depth			8.00																							
PURGE FLOW RATE (ML/MIN): 200																											
PID AFTER PURGE (PPM): 0																											
HELIUM TESTS																											
Pre-sampling	Post-sampling																										
15.0%	11.0%																										
HELIUM TEST IN BUCKET(%): 0.0%																											
HELIUM TEST IN TUBE (PPM): 0.0%																											
SAMPLE START TIME: 9:37																											
SAMPLE STOP TIME: 11:32																											
TOTAL SAMPLE TIME (MIN): 115																											
REGULATOR FLOW RATE (L/MIN): 0.05																											
VOLUME OF SAMPLE (LITERS): 6																											
PID AFTER SAMPLE (PPM): 0.2																											
SAMPLE MOISTURE CONTENT: NA																											
CAN SERIAL NUMBER: 28307																											
REGULATOR SERIAL NUMBER: Y47																											
CAN START VACUUM PRESS. (" HG): 26.69																											
CAN STOP VACUUM PRESS. (" HG): 4.94																											
SAMPLE LOCATION SKETCH																											
NOTES																											
<p>Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727</p>																											

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV18_090418

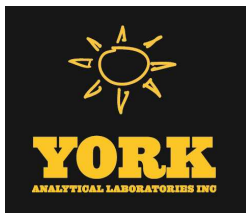
PROJECT: 320 W Fordham Road - CSX Lots		PROJECT NO.: 170502901																									
LOCATION: 320 W Fordham Road, Bronx, NY 10468		SURFACE ELEVATION AND DATUM: 10'																									
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services, Corp.		INSTALLATION DATE STARTED: 8/29/2018	DATE FINISHED: 8/29/2018																								
INSTALLATION FOREMAN: Tim Kelly		SAMPLE DATE STARTED: 9/4/2018	DATE FINISHED: 9/4/2018																								
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister																									
INSPECTOR: Sherief Saleh		SAMPLER: Adam Kaiser																									
POTENTIAL SAMPLE INTERFERENCES: None observed		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 90 Wind: NE Precipitation: NONE Pressure: 29.9																									
METHOD OF INSTALLATION AND PURGING: Advance Geoprobe 6610 DT to 6 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 4 feet bgs, seal with hydrated bentonite to 0 feet bgs, and seal to surface with hydrated bentonite.																											
TUBING TYPE/DIAMETER: 1/4-Inch Teflon-lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: backfill																									
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite																									
BOREHOLE DIAMETER: 2 inch		FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 Sand																									
PURGE VOLUME (L): 1.00		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">IMPLANT/PROBE DETAILS</th> <th style="text-align: center;">DEPTH</th> <th style="text-align: center;">NOTES</th> </tr> <tr> <th colspan="2" style="text-align: center;">(SEAL, FILTER, ETC.)</th> <th style="text-align: center;">(FEET FROM SURFACE)</th> <th></th> </tr> <tr> <th style="text-align: center;">SURFACE</th> <th style="text-align: center;">SURFACE</th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Top of Seal</td> <td style="text-align: center;">Top of Seal</td> <td style="text-align: center;">0.00</td> <td></td> </tr> <tr> <td style="text-align: center;">Top of Pack</td> <td style="text-align: center;">Top of Pack</td> <td style="text-align: center;">4.00</td> <td></td> </tr> <tr> <td style="text-align: center;">Probe Depth</td> <td style="text-align: center;">Probe Depth</td> <td style="text-align: center;">6.00</td> <td></td> </tr> </tbody> </table>		IMPLANT/PROBE DETAILS		DEPTH	NOTES	(SEAL, FILTER, ETC.)		(FEET FROM SURFACE)		SURFACE	SURFACE			Top of Seal	Top of Seal	0.00		Top of Pack	Top of Pack	4.00		Probe Depth	Probe Depth	6.00	
IMPLANT/PROBE DETAILS				DEPTH	NOTES																						
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Top of Pack	Top of Pack			4.00																							
Probe Depth	Probe Depth			6.00																							
PURGE FLOW RATE (ML/MIN): 200																											
PID AFTER PURGE (PPM): 0																											
HELIUM TESTS																											
Pre-sampling	Post-sampling																										
14.0%	13.0%																										
HELIUM TEST IN BUCKET(%): 0.0%																											
HELIUM TEST IN TUBE (PPM): 0.0%																											
SAMPLE START TIME: 8:51																											
SAMPLE STOP TIME: 10:45																											
TOTAL SAMPLE TIME (MIN): 114																											
REGULATOR FLOW RATE (L/MIN): 0.05																											
VOLUME OF SAMPLE (LITERS): 6																											
PID AFTER SAMPLE (PPM): 0																											
SAMPLE MOISTURE CONTENT: NA																											
CAN SERIAL NUMBER: 18313																											
REGULATOR SERIAL NUMBER: Y23																											
CAN START VACUUM PRESS. (" HG): 28.97																											
CAN STOP VACUUM PRESS. (" HG): 4.65																											
SAMPLE LOCATION SKETCH																											
NOTES																											
<p>Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727</p>																											

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV20_090418

PROJECT: 320 W Fordham Road - CSX Lots		PROJECT NO.: 170502901																					
LOCATION: 320 W Fordham Road, Bronx, NY 10468		SURFACE ELEVATION AND DATUM: 10'																					
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services, Corp.		INSTALLATION DATE STARTED: 8/29/2018	DATE FINISHED: 8/29/2018																				
INSTALLATION FOREMAN: Tim Kelly		SAMPLE DATE STARTED: 9/4/2018	DATE FINISHED: 9/4/2018																				
INSTALLATION EQUIPMENT: Geoprobe® 6610 DT		TYPE OF SAMPLING DEVICE: 6-Liter Summa Canister																					
INSPECTOR: Sherief Saleh		SAMPLER: Adam Kaiser																					
POTENTIAL SAMPLE INTERFERENCES: None observed		WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.): Temp: 90 Wind: NE Precipitation: NONE Pressure: 29.9																					
METHOD OF INSTALLATION AND PURGING: Advance Geoprobe 6610 DT to 8 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 6 feet bgs, seal with hydrated bentonite to 0 feet bgs, and seal to surface with hydrated bentonite.																							
TUBING TYPE/DIAMETER: 1/4-Inch Teflon-lined Polyethylene Tubing		TYPE OF MATERIAL ABOVE SEAL: backfill																					
IMPLANT SCREEN TYPE/LENGTH/DIAMETER: 2-Inch Polyethylene Probe		SEAL MATERIAL (Bentonite, Beeswax, Modeling Clay, etc.): Bentonite																					
BOREHOLE DIAMETER: 2 inch		FILTER PACK MATERIAL (Sand or Glass Beads): No. 2 Sand																					
PURGE VOLUME (L): 1.00		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">IMPLANT/PROBE DETAILS</th> <th style="text-align: center;">DEPTH</th> <th style="text-align: center;">NOTES</th> </tr> <tr> <td colspan="2" style="text-align: center;">(SEAL, FILTER, ETC.)</td> <td style="text-align: center;">(FEET FROM SURFACE)</td> <td></td> </tr> <tr> <td style="text-align: center;">SURFACE</td> <td style="text-align: center;">SURFACE</td> <td style="text-align: center;">Top of Seal</td> <td style="text-align: center;">0.00</td> </tr> <tr> <td colspan="2" style="text-align: center;">Top of Pack</td> <td style="text-align: center;">6.00</td> <td></td> </tr> <tr> <td colspan="2" style="text-align: center;">Probe Depth</td> <td style="text-align: center;">8.00</td> <td></td> </tr> </table>		IMPLANT/PROBE DETAILS		DEPTH	NOTES	(SEAL, FILTER, ETC.)		(FEET FROM SURFACE)		SURFACE	SURFACE	Top of Seal	0.00	Top of Pack		6.00		Probe Depth		8.00	
IMPLANT/PROBE DETAILS				DEPTH	NOTES																		
(SEAL, FILTER, ETC.)				(FEET FROM SURFACE)																			
SURFACE	SURFACE			Top of Seal	0.00																		
Top of Pack				6.00																			
Probe Depth				8.00																			
PURGE FLOW RATE (ML/MIN): 200																							
PID AFTER PURGE (PPM): 0																							
HELIUM TESTS																							
Pre-sampling	Post-sampling																						
13.0%	13.0%																						
HELIUM TEST IN BUCKET(%): 0.0%																							
HELIUM TEST IN TUBE (PPM): 0.0%																							
SAMPLE START TIME: 9:39																							
SAMPLE STOP TIME: 11:37																							
TOTAL SAMPLE TIME (MIN): 118																							
REGULATOR FLOW RATE (L/MIN): 0.05																							
VOLUME OF SAMPLE (LITERS): 6																							
PID AFTER SAMPLE (PPM): 0.6																							
SAMPLE MOISTURE CONTENT: NA																							
CAN SERIAL NUMBER: 28841																							
REGULATOR SERIAL NUMBER: Y41																							
CAN START VACUUM PRESS. (" HG): 29.13																							
CAN STOP VACUUM PRESS. (" HG): 4.99																							
SAMPLE LOCATION SKETCH																							
NOTES																							
Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. 21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, New York 10001-2727																							

APPENDIX G
LABORATORY ANALYTICAL REPORTS AND CHAIN OF
CUSTODY DOCUMENTATION



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Julia Leung

Report Date: 08/02/2018

Client Project ID: 170502901

York Project (SDG) No.: 18G1148



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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132-02 89th AVENUE
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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/02/2018
Client Project ID: 170502901
York Project (SDG) No.: 18G1148

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Julia Leung

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 26, 2018 and listed below. The project was identified as your project: **170502901**.

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>
18G1148-01	SP-01_0-1	Soil	07/26/2018	07/26/2018
18G1148-02	SP-02_0-1	Soil	07/26/2018	07/26/2018
18G1148-03	SP-03_0-1	Soil	07/26/2018	07/26/2018
18G1148-04	SP-04_0-1	Soil	07/26/2018	07/26/2018
18G1148-05	SP-05_0-1	Soil	07/26/2018	07/26/2018
18G1148-06	SP-06_0-1	Soil	07/26/2018	07/26/2018
18G1148-07	SP-07_1-2	Soil	07/26/2018	07/26/2018
18G1148-08	SP-08_0-1	Soil	07/26/2018	07/26/2018
18G1148-09	SP-09_1-2	Soil	07/26/2018	07/26/2018
18G1148-10	SP-10_1-2	Soil	07/26/2018	07/26/2018
18G1148-11	TB-01 072617	Water	07/26/2018	07/26/2018

General Notes for York Project (SDG) No.: 18G1148

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: 08/02/2018





Sample Information

Client Sample ID: SP-01_0-1

York Sample ID: 18G1148-01

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:22 pm	<u>Date Received</u> 07/26/2018
--	---------------------------------------	-----------------------	--	------------------------------------

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 00:42	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 00:42	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.091	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
78-93-3	2-Butanone	0.0031	J	mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS



Sample Information

Client Sample ID: SP-01_0-1

York Sample ID: 18G1148-01

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:22 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
67-64-1	Acetone	0.030	CCV-E	mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS



Sample Information

Client Sample ID: SP-01_0-1

York Sample ID: 18G1148-01

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:22 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
75-09-2	Methylene chloride	0.0054	J	mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0091	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS



Sample Information

Client Sample ID: SP-01_0-1

York Sample ID: 18G1148-01

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:22 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 00:42	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 00:42	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %			77-125						
2037-26-5	Surrogate: Toluene-d8	101 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	99.7 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.105	0.211	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.105	0.211	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.105	0.211	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR



Sample Information

Client Sample ID: SP-01_0-1

York Sample ID: 18G1148-01

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:22 pm	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.105	0.211	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.105	0.211	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.105	0.211	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.105	0.211	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.105	0.211	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
62-53-3	Aniline	ND		mg/kg dry	0.211	0.422	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
92-87-5	Benzidine	ND		mg/kg dry	0.211	0.422	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR



Sample Information

Client Sample ID: SP-01_0-1

York Sample ID: 18G1148-01

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:22 pm	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0581	J, B	mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.105	0.211	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
122-39-4	Diphenylamine	ND		mg/kg dry	0.105	0.211	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
206-44-0	Fluoranthene	0.132		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR



Sample Information

Client Sample ID: SP-01_0-1

York Sample ID: 18G1148-01

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:22 pm	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
85-01-8	Phenanthrene	0.0960	J	mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
108-95-2	Phenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
129-00-0	Pyrene	0.101	J	mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
110-86-1	Pyridine	ND		mg/kg dry	0.211	0.422	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 09:59	SR
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	5.28 %	A-01, S-09	20-108							
4165-62-2	Surrogate: Phenol-d5	27.3 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	86.2 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	65.8 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	6.20 %	A-01, S-09	19-110							
1718-51-0	Surrogate: Terphenyl-d14	71.1 %		24-116							



Sample Information

Client Sample ID: SP-01_0-1

York Sample ID: 18G1148-01

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:22 pm	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	07/31/2018 14:06	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0419	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	07/30/2018 14:43	07/31/2018 14:06	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
72-20-8	Endrin	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	07/31/2018 14:06	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00209	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.0105	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA



Sample Information

Client Sample ID: SP-01_0-1

York Sample ID: 18G1148-01

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:22 pm	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.106	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:06	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	62.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	66.6 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0212	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 18:15	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0212	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 18:15	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0212	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 18:15	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0212	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 18:15	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0212	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 18:15	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0212	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 18:15	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0212	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 18:15	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0212	1	EPA 8082A Certifications:	07/30/2018 14:43	07/31/2018 18:15	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	48.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	44.3 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8190		mg/kg dry	6.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-36-0	Antimony	2.29		mg/kg dry	0.635	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-38-2	Arsenic	7.32		mg/kg dry	1.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML



Sample Information

Client Sample ID: SP-01_0-1

York Sample ID: 18G1148-01

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:22 pm	<u>Date Received</u> 07/26/2018
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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
7440-39-3	Barium	60.6		mg/kg dry	1.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.127	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.381	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-70-2	Calcium	79900		mg/kg dry	6.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-47-3	Chromium	26.8		mg/kg dry	0.635	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-48-4	Cobalt	5.04		mg/kg dry	0.635	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-50-8	Copper	59.4		mg/kg dry	0.635	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7439-89-6	Iron	8950		mg/kg dry	2.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7439-92-1	Lead	20.4		mg/kg dry	0.635	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7439-95-4	Magnesium	4630		mg/kg dry	6.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7439-96-5	Manganese	146		mg/kg dry	0.635	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-02-0	Nickel	22.5		mg/kg dry	0.635	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-09-7	Potassium	420		mg/kg dry	6.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7782-49-2	Selenium	ND		mg/kg dry	1.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-22-4	Silver	ND		mg/kg dry	0.635	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-23-5	Sodium	198		mg/kg dry	12.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-28-0	Thallium	ND		mg/kg dry	1.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-62-2	Vanadium	44.8		mg/kg dry	1.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	KML
7440-66-6	Zinc	77.7		mg/kg dry	1.90	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:36	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP-01_0-1

York Sample ID: 18G1148-01

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:22 pm	<u>Date Received</u> 07/26/2018
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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	0.0381	1	EPA 7473	07/30/2018 16:31	07/30/2018 18:28	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	78.8		%	0.100	1	SM 2540G	07/27/2018 09:29	07/27/2018 14:04	TAJ
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	5.79		mg/kg dry	0.635	1	EPA 7196A	07/30/2018 10:52	07/30/2018 18:57	TJM
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	21.0		mg/kg	0.500	1	Calculation	08/02/2018 12:27	08/02/2018 12:41	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.635	1	EPA 9014/9010C	07/27/2018 08:17	07/27/2018 15:47	AD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP-02_0-1

York Sample ID: 18G1148-02

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:45 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 01:12	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 01:12	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS



Sample Information

Client Sample ID: SP-02_0-1

York Sample ID: 18G1148-02

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:45 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
67-64-1	Acetone	0.0093	CCV-E, J	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS



Sample Information

Client Sample ID: SP-02_0-1

York Sample ID: 18G1148-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1148

170502901

Soil

July 26, 2018 3:45 pm

07/26/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS



Sample Information

Client Sample ID: SP-02_0-1

York Sample ID: 18G1148-02

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:45 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:12	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 01:12	RDS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %		77-125							
2037-26-5	Surrogate: Toluene-d8	111 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	132 %	S-09	76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
121-14-2	2,4-Dinitrotoluene	1.08		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR



Sample Information

Client Sample ID: SP-02_0-1

York Sample ID: 18G1148-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1148

170502901

Soil

July 26, 2018 3:45 pm

07/26/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
208-96-8	Acenaphthylene	0.432		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
62-53-3	Aniline	ND		mg/kg dry	0.199	0.397	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
120-12-7	Anthracene	0.219		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
92-87-5	Benzidine	ND		mg/kg dry	0.199	0.397	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
56-55-3	Benzo(a)anthracene	0.731		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR



Sample Information

Client Sample ID: SP-02_0-1

York Sample ID: 18G1148-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1148

170502901

Soil

July 26, 2018 3:45 pm

07/26/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.784		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
205-99-2	Benzo(b)fluoranthene	1.09		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
191-24-2	Benzo(g,h,i)perylene	0.587		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
207-08-9	Benzo(k)fluoranthene	0.932		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
117-81-7	Bis(2-ethylhexyl)phthalate	31.0	B	mg/kg dry	0.497	0.992	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/29/2018 13:17	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
86-74-8	Carbazole	0.0761	J	mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
218-01-9	Chrysene	0.891		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
53-70-3	Dibenzo(a,h)anthracene	0.201		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
117-84-0	Di-n-octyl phthalate	0.0856	J	mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
122-39-4	Diphenylamine	ND		mg/kg dry	0.0992	0.198	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
206-44-0	Fluoranthene	1.27		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR



Sample Information

Client Sample ID: SP-02_0-1

York Sample ID: 18G1148-02

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:45 pm	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.548		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
85-01-8	Phenanthrene	0.153		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
108-95-2	Phenol	ND		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
129-00-0	Pyrene	1.07		mg/kg dry	0.0497	0.0992	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR
110-86-1	Pyridine	ND		mg/kg dry	0.199	0.397	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 16:04	SR

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	59.9 %	20-108
4165-62-2	Surrogate: Phenol-d5	64.8 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	64.5 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	49.7 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	105 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	58.6 %	24-116



Sample Information

Client Sample ID: SP-02_0-1

York Sample ID: 18G1148-02

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:45 pm	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	07/31/2018 14:21	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0394	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	07/30/2018 14:43	07/31/2018 14:21	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
72-20-8	Endrin	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	07/31/2018 14:21	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00197	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00985	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA



Sample Information

Client Sample ID: SP-02_0-1

York Sample ID: 18G1148-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1148

170502901

Soil

July 26, 2018 3:45 pm

07/26/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0997	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 14:21	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	42.3 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	46.9 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 18:39	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 18:39	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 18:39	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 18:39	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 18:39	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 18:39	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 18:39	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications:	07/30/2018 14:43	07/31/2018 18:39	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	39.1 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	28.9 %	S-GC	30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7450		mg/kg dry	5.97	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-36-0	Antimony	1.11		mg/kg dry	0.597	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-38-2	Arsenic	8.21		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML



Sample Information

Client Sample ID: SP-02_0-1

York Sample ID: 18G1148-02

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:45 pm	<u>Date Received</u> 07/26/2018
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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
7440-39-3	Barium	73.5		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-41-7	Beryllium	0.151		mg/kg dry	0.119	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-43-9	Cadmium	0.744		mg/kg dry	0.358	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-70-2	Calcium	52200		mg/kg dry	5.97	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-47-3	Chromium	24.5		mg/kg dry	0.597	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-48-4	Cobalt	6.53		mg/kg dry	0.597	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-50-8	Copper	69.8		mg/kg dry	0.597	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7439-89-6	Iron	20600		mg/kg dry	2.39	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7439-92-1	Lead	64.7		mg/kg dry	0.597	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7439-95-4	Magnesium	9300		mg/kg dry	5.97	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7439-96-5	Manganese	254		mg/kg dry	0.597	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-02-0	Nickel	21.7		mg/kg dry	0.597	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-09-7	Potassium	1020		mg/kg dry	5.97	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7782-49-2	Selenium	ND		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-22-4	Silver	ND		mg/kg dry	0.597	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-23-5	Sodium	262		mg/kg dry	11.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-28-0	Thallium	ND		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-62-2	Vanadium	35.0		mg/kg dry	1.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	KML
7440-66-6	Zinc	183		mg/kg dry	1.79	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:38	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP-02_0-1

York Sample ID: 18G1148-02

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 3:45 pm	<u>Date Received</u> 07/26/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.118		mg/kg dry	0.0358	1	EPA 7473	07/30/2018 16:31	07/30/2018 18:36	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.8		%	0.100	1	SM 2540G	07/27/2018 09:29	07/27/2018 14:04	TAJ
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.597	1	EPA 7196A	07/30/2018 10:52	07/30/2018 18:57	TJM
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	24.5		mg/kg	0.500	1	Calculation	08/02/2018 12:27	08/02/2018 12:41	PAM
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	1.25		mg/kg dry	0.597	1	EPA 9014/9010C	07/27/2018 08:17	07/27/2018 15:47	AD
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: SP-03_0-1

York Sample ID: 18G1148-03

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:18 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 01:43	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 01:43	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.080	0.16	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS



Sample Information

Client Sample ID: SP-03_0-1

York Sample ID: 18G1148-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1148

170502901

Soil

July 26, 2018 1:18 pm

07/26/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
67-64-1	Acetone	0.029	CCV-E	mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS



Sample Information

Client Sample ID: SP-03_0-1

York Sample ID: 18G1148-03

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:18 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS



Sample Information

Client Sample ID: SP-03_0-1

York Sample ID: 18G1148-03

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:18 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 01:43	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.012	0.024	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 01:43	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	97.5 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR



Sample Information

Client Sample ID: SP-03_0-1

York Sample ID: 18G1148-03

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:18 pm	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
62-53-3	Aniline	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
92-87-5	Benzidine	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR



Sample Information

Client Sample ID: SP-03_0-1

York Sample ID: 18G1148-03

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:18 pm	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0478	J, B	mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
218-01-9	Chrysene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
122-39-4	Diphenylamine	ND		mg/kg dry	0.0950	0.190	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
206-44-0	Fluoranthene	0.115		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR



Sample Information

Client Sample ID: SP-03_0-1

York Sample ID: 18G1148-03

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:18 pm	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
85-01-8	Phenanthrene	0.0729	J	mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
108-95-2	Phenol	ND		mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
129-00-0	Pyrene	0.0851	J	mg/kg dry	0.0476	0.0950	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR
110-86-1	Pyridine	ND		mg/kg dry	0.190	0.380	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	SR

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	4.64 %	20-108
4165-62-2	Surrogate: Phenol-d5	28.0 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	76.3 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	70.6 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	2.76 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	89.5 %	24-116



Sample Information

Client Sample ID: SP-03_0-1

York Sample ID: 18G1148-03

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:18 pm	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	07/31/2018 15:22	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0377	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	07/30/2018 14:43	07/31/2018 15:22	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
72-20-8	Endrin	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	07/31/2018 15:22	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00189	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00943	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA



Sample Information

Client Sample ID: SP-03_0-1

York Sample ID: 18G1148-03

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:18 pm	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0955	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:22	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	60.5 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	68.3 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 19:03	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 19:03	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 19:03	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 19:03	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 19:03	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 19:03	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 19:03	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	07/30/2018 14:43	07/31/2018 19:03	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	54.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	48.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9000		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-36-0	Antimony	2.84		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-38-2	Arsenic	7.46		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML



Sample Information

Client Sample ID: SP-03_0-1

York Sample ID: 18G1148-03

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:18 pm	<u>Date Received</u> 07/26/2018
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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
7440-39-3	Barium	70.0		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-43-9	Cadmium	0.346		mg/kg dry	0.343	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-70-2	Calcium	82700		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-47-3	Chromium	29.6		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-48-4	Cobalt	6.37		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-50-8	Copper	67.8		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7439-89-6	Iron	10800		mg/kg dry	2.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7439-92-1	Lead	19.0		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7439-95-4	Magnesium	5160		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7439-96-5	Manganese	167		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-02-0	Nickel	24.3		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-09-7	Potassium	379		mg/kg dry	5.72	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7782-49-2	Selenium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-22-4	Silver	ND		mg/kg dry	0.572	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-23-5	Sodium	192		mg/kg dry	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-62-2	Vanadium	42.7		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	KML
7440-66-6	Zinc	81.1		mg/kg dry	1.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:40	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP-03_0-1

York Sample ID: 18G1148-03

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 1:18 pm	<u>Date Received</u> 07/26/2018
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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	0.0343	1	EPA 7473	07/30/2018 16:31	07/30/2018 18:45	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.5		%	0.100	1	SM 2540G	07/27/2018 09:29	07/27/2018 14:04	TAJ
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	4.39		mg/kg dry	0.572	1	EPA 7196A	07/30/2018 10:52	07/30/2018 18:57	TJM
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	25.2		mg/kg	0.500	1	Calculation	08/02/2018 12:27	08/02/2018 12:41	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.572	1	EPA 9014/9010C	07/27/2018 08:17	07/27/2018 15:47	AD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP-04_0-1

York Sample ID: 18G1148-04

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:41 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 02:14	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 02:14	RDS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.096	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
78-93-3	2-Butanone	0.0030	J	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS



Sample Information

Client Sample ID: SP-04_0-1

York Sample ID: 18G1148-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1148

170502901

Soil

July 26, 2018 2:41 pm

07/26/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
67-64-1	Acetone	0.043	CCV-E	mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS



Sample Information

Client Sample ID: SP-04_0-1

York Sample ID: 18G1148-04

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:41 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
75-09-2	Methylene chloride	0.0068	J	mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
104-51-8	n-Butylbenzene	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0096	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
98-06-6	tert-Butylbenzene	ND	IS-LO	mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS



Sample Information

Client Sample ID: SP-04_0-1

York Sample ID: 18G1148-04

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:41 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:14	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 02:14	RDS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %		77-125							
2037-26-5	Surrogate: Toluene-d8	115 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	139 %	IS-LO, S-09	76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.453	0.905	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.453	0.905	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.453	0.905	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW



Sample Information

Client Sample ID: SP-04_0-1

York Sample ID: 18G1148-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1148

170502901

Soil

July 26, 2018 2:41 pm

07/26/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.453	0.905	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.453	0.905	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.453	0.905	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.453	0.905	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.453	0.905	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
62-53-3	Aniline	ND		mg/kg dry	0.907	1.81	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
120-12-7	Anthracene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
92-87-5	Benzidine	ND		mg/kg dry	0.907	1.81	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
56-55-3	Benzo(a)anthracene	0.442	J	mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW



Sample Information

Client Sample ID: SP-04_0-1

York Sample ID: 18G1148-04

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:41 pm	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.398	J	mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
205-99-2	Benzo(b)fluoranthene	0.387	J	mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
191-24-2	Benzo(g,h,i)perylene	0.264	J	mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
207-08-9	Benzo(k)fluoranthene	0.337	J	mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.453	0.905	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
86-74-8	Carbazole	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
218-01-9	Chrysene	0.500		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.453	0.905	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
206-44-0	Fluoranthene	0.866		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW



Sample Information

Client Sample ID: SP-04_0-1

York Sample ID: 18G1148-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1148

170502901

Soil

July 26, 2018 2:41 pm

07/26/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.261	J	mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
78-59-1	Isophorone	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
85-01-8	Phenanthrene	0.435	J	mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
108-95-2	Phenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
129-00-0	Pyrene	0.775		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW
110-86-1	Pyridine	ND		mg/kg dry	0.907	1.81	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 10:59	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	44.8 %	20-108
4165-62-2	Surrogate: Phenol-d5	51.2 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	59.2 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	52.4 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	56.8 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	63.6 %	24-116



Sample Information

Client Sample ID: SP-04_0-1

York Sample ID: 18G1148-04

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:41 pm	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	08/01/2018 11:16	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0359	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	07/30/2018 14:43	08/01/2018 11:16	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	08/01/2018 11:16	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00897	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA



Sample Information

Client Sample ID: SP-04_0-1

York Sample ID: 18G1148-04

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:41 pm	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0908	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:16	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	52.8 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	31.2 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 22:39	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 22:39	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 22:39	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 22:39	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 22:39	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 22:39	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 22:39	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	07/30/2018 14:43	07/31/2018 22:39	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	61.4 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	61.2 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6070		mg/kg dry	5.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-36-0	Antimony	1.24		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-38-2	Arsenic	4.44		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML



Sample Information

Client Sample ID: SP-04_0-1

York Sample ID: 18G1148-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1148

170502901

Soil

July 26, 2018 2:41 pm

07/26/2018

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
7440-39-3	Barium	59.9		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.326	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-70-2	Calcium	55700		mg/kg dry	5.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-47-3	Chromium	15.1		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-48-4	Cobalt	10.6		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-50-8	Copper	60.8		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7439-89-6	Iron	12700		mg/kg dry	2.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7439-92-1	Lead	34.7		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7439-95-4	Magnesium	17500		mg/kg dry	5.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7439-96-5	Manganese	181		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-02-0	Nickel	20.8		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-09-7	Potassium	1360		mg/kg dry	5.44	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7782-49-2	Selenium	3.92		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-22-4	Silver	ND		mg/kg dry	0.544	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-23-5	Sodium	234		mg/kg dry	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-62-2	Vanadium	32.6		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	KML
7440-66-6	Zinc	69.8		mg/kg dry	1.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:42	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP-04_0-1

York Sample ID: 18G1148-04

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:41 pm	<u>Date Received</u> 07/26/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0443		mg/kg dry	0.0326	1	EPA 7473	07/30/2018 16:31	07/30/2018 18:54	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.0		%	0.100	1	SM 2540G	07/27/2018 09:29	07/27/2018 14:04	TAJ
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.544	1	EPA 7196A	08/01/2018 15:08	08/01/2018 22:56	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	15.1		mg/kg	0.500	1	Calculation	08/02/2018 12:27	08/02/2018 12:41	PAM
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.707		mg/kg dry	0.544	1	EPA 9014/9010C	07/30/2018 11:01	07/30/2018 14:58	AD
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: SP-05_0-1

York Sample ID: 18G1148-05

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 12:51 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 02:44	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 02:44	RDS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS



Sample Information

Client Sample ID: SP-05_0-1

York Sample ID: 18G1148-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1148

170502901

Soil

July 26, 2018 12:51 pm

07/26/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
67-64-1	Acetone	0.017	CCV-E	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS



Sample Information

Client Sample ID: SP-05_0-1

York Sample ID: 18G1148-05

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 12:51 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
75-09-2	Methylene chloride	0.0072	J	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
104-51-8	n-Butylbenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
98-06-6	tert-Butylbenzene	ND	IS-LO	mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS



Sample Information

Client Sample ID: SP-05_0-1

York Sample ID: 18G1148-05

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 12:51 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 02:44	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 02:44	RDS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %		77-125							
2037-26-5	Surrogate: Toluene-d8	118 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	141 %	IS-LO, S-09	76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.460	0.919	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.460	0.919	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.460	0.919	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW



Sample Information

Client Sample ID: SP-05_0-1

York Sample ID: 18G1148-05

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 12:51 pm	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.460	0.919	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.460	0.919	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.460	0.919	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.460	0.919	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.460	0.919	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
62-53-3	Aniline	ND		mg/kg dry	0.921	1.84	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
120-12-7	Anthracene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
92-87-5	Benzidine	ND		mg/kg dry	0.921	1.84	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW



Sample Information

Client Sample ID: SP-05_0-1

York Sample ID: 18G1148-05

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 12:51 pm	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.460	0.919	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
86-74-8	Carbazole	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
218-01-9	Chrysene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.460	0.919	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW



Sample Information

Client Sample ID: SP-05_0-1

York Sample ID: 18G1148-05

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 12:51 pm	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
78-59-1	Isophorone	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
108-95-2	Phenol	ND		mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
129-00-0	Pyrene	0.279	J	mg/kg dry	0.231	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW
110-86-1	Pyridine	ND		mg/kg dry	0.921	1.84	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 11:30	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	53.8 %	20-108
4165-62-2	Surrogate: Phenol-d5	50.4 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	62.8 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	51.6 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	61.4 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	62.8 %	24-116



Sample Information

Client Sample ID: SP-05_0-1

York Sample ID: 18G1148-05

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 12:51 pm	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	08/01/2018 11:31	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0366	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	07/30/2018 14:43	08/01/2018 11:31	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	08/01/2018 11:31	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00914	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA



Sample Information

Client Sample ID: SP-05_0-1

York Sample ID: 18G1148-05

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 12:51 pm	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0925	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:31	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	52.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	45.5 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:03	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:03	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:03	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:03	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:03	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:03	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:03	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications:	07/30/2018 14:43	07/31/2018 23:03	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	55.4 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	54.2 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6220		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-36-0	Antimony	0.954		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-38-2	Arsenic	2.20		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML



Sample Information

Client Sample ID: SP-05_0-1

York Sample ID: 18G1148-05

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 12:51 pm	<u>Date Received</u> 07/26/2018
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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
7440-39-3	Barium	46.0		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-70-2	Calcium	86300		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-47-3	Chromium	11.1		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-48-4	Cobalt	6.92		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-50-8	Copper	62.8		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7439-89-6	Iron	14600		mg/kg dry	2.22	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7439-92-1	Lead	14.3		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7439-95-4	Magnesium	26400		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7439-96-5	Manganese	199		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-02-0	Nickel	13.0		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-09-7	Potassium	1680		mg/kg dry	5.54	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7782-49-2	Selenium	4.04		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-22-4	Silver	ND		mg/kg dry	0.554	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-23-5	Sodium	490		mg/kg dry	11.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-28-0	Thallium	ND		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-62-2	Vanadium	32.8		mg/kg dry	1.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	KML
7440-66-6	Zinc	43.4		mg/kg dry	1.66	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:44	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP-05_0-1

York Sample ID: 18G1148-05

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 12:51 pm	<u>Date Received</u> 07/26/2018
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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	0.0332	1	EPA 7473	07/30/2018 16:31	07/30/2018 19:03	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.2		%	0.100	1	SM 2540G	07/27/2018 09:29	07/27/2018 14:04	TAJ
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.554	1	EPA 7196A	08/01/2018 15:08	08/01/2018 22:56	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	11.1		mg/kg	0.500	1	Calculation	08/02/2018 12:27	08/02/2018 12:41	PAM
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	1.66		mg/kg dry	0.554	1	EPA 9014/9010C	07/30/2018 11:01	07/30/2018 14:58	AD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP-06_0-1

York Sample ID: 18G1148-06

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:43 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 03:15	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 03:15	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS



Sample Information

Client Sample ID: SP-06_0-1

York Sample ID: 18G1148-06

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:43 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
67-64-1	Acetone	0.0087	CCV-E, J	mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS



Sample Information

Client Sample ID: SP-06_0-1

York Sample ID: 18G1148-06

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:43 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
75-09-2	Methylene chloride	0.0052	J	mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0089	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
75-65-0	tert-Butyl alcohol (TBA)	0.0068		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS



Sample Information

Client Sample ID: SP-06_0-1

York Sample ID: 18G1148-06

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:43 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:15	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 03:15	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %			77-125						
2037-26-5	Surrogate: Toluene-d8	110 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	129 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.444	0.888	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.444	0.888	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.444	0.888	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW



Sample Information

Client Sample ID: SP-06_0-1

York Sample ID: 18G1148-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1148

170502901

Soil

July 26, 2018 2:43 pm

07/26/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.444	0.888	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.444	0.888	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.444	0.888	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.444	0.888	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.444	0.888	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
208-96-8	Acenaphthylene	0.405	J	mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
62-53-3	Aniline	ND		mg/kg dry	0.890	1.78	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
120-12-7	Anthracene	0.938		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
92-87-5	Benzidine	ND		mg/kg dry	0.890	1.78	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
56-55-3	Benzo(a)anthracene	2.08		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW



Sample Information

Client Sample ID: SP-06_0-1

York Sample ID: 18G1148-06

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:43 pm	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	1.63		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
205-99-2	Benzo(b)fluoranthene	1.43		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
191-24-2	Benzo(g,h,i)perylene	1.19		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
207-08-9	Benzo(k)fluoranthene	1.46		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.444	0.888	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
86-74-8	Carbazole	0.281	J	mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
218-01-9	Chrysene	1.88		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
53-70-3	Dibenzo(a,h)anthracene	0.362	J	mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
132-64-9	Dibenzofuran	0.341	J	mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.444	0.888	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
206-44-0	Fluoranthene	4.27		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW



Sample Information

Client Sample ID: SP-06_0-1

York Sample ID: 18G1148-06

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:43 pm	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.604		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
193-39-5	Indeno(1,2,3-cd)pyrene	1.09		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
78-59-1	Isophorone	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
91-20-3	Naphthalene	0.259	J	mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
85-01-8	Phenanthrene	3.20		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
108-95-2	Phenol	ND		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
129-00-0	Pyrene	3.80		mg/kg dry	0.223	0.444	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW
110-86-1	Pyridine	ND		mg/kg dry	0.890	1.78	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:01	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	41.4 %	20-108
4165-62-2	Surrogate: Phenol-d5	45.8 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	58.8 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	48.4 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	72.0 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	69.2 %	24-116



Sample Information

Client Sample ID: SP-06_0-1

York Sample ID: 18G1148-06

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:43 pm	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
50-29-3	4,4'-DDT	0.00840		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
5103-71-9	alpha-Chlordane	0.0117		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	08/01/2018 11:46	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0352	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	07/30/2018 14:43	08/01/2018 11:46	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
72-20-8	Endrin	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
5566-34-7	gamma-Chlordane	0.00961		mg/kg dry	0.00176	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	08/01/2018 11:46	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00176	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00879	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA



Sample Information

Client Sample ID: SP-06_0-1

York Sample ID: 18G1148-06

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:43 pm	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0889	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 11:46	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	61.0 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	40.2 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:27	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:27	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:27	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:27	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:27	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:27	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:27	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	07/30/2018 14:43	07/31/2018 23:27	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	55.4 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	46.3 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8230		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-36-0	Antimony	1.47		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-38-2	Arsenic	4.33		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML



Sample Information

Client Sample ID: SP-06_0-1

York Sample ID: 18G1148-06

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:43 pm	<u>Date Received</u> 07/26/2018
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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
7440-39-3	Barium	86.4		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-43-9	Cadmium	0.372		mg/kg dry	0.321	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-70-2	Calcium	35800		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-47-3	Chromium	19.1		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-48-4	Cobalt	7.80		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-50-8	Copper	29.7		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7439-89-6	Iron	13600		mg/kg dry	2.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7439-92-1	Lead	52.5		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7439-95-4	Magnesium	11500		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7439-96-5	Manganese	224		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-02-0	Nickel	16.7		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-09-7	Potassium	1700		mg/kg dry	5.34	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-22-4	Silver	ND		mg/kg dry	0.534	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-23-5	Sodium	218		mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-62-2	Vanadium	27.8		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	KML
7440-66-6	Zinc	87.0		mg/kg dry	1.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:46	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
120 RESEARCH DRIVE www.YORKLAB.com	STRATFORD, CT 06615 (203) 325-1371						132-02 89th AVENUE FAX (203) 357-0166	RICHMOND HILL, NY 11418 ClientServices@yorklab.com		



Sample Information

Client Sample ID: SP-06_0-1

York Sample ID: 18G1148-06

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 2:43 pm	<u>Date Received</u> 07/26/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
7439-97-6	Mercury	0.0888		mg/kg dry	0.0321	1	EPA 7473	07/30/2018 16:31	07/30/2018 19:12	SY	
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP			

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
solids	* % Solids	93.6		%	0.100	1	SM 2540G	07/27/2018 09:29	07/27/2018 14:04	TAJ	
							Certifications:	CTDOH			

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.534	1	EPA 7196A	08/01/2018 15:08	08/01/2018 22:56	TJD	
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP			

Chromium, Trivalent

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	
16065-83-1	* Chromium, Trivalent	19.1		mg/kg	0.500	1	Calculation	08/02/2018 12:27	08/02/2018 12:41	PAM	
							Certifications:				

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst	
57-12-5	Cyanide, total	ND		mg/kg dry	0.534	1	EPA 9014/9010C	07/30/2018 11:01	07/30/2018 14:58	AD	
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP			



Sample Information

Client Sample ID: SP-07_1-2

York Sample ID: 18G1148-07

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:40 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 03:45	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 03:45	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.085	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS



Sample Information

Client Sample ID: SP-07_1-2

York Sample ID: 18G1148-07

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:40 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
67-64-1	Acetone	0.027	CCV-E	mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS



Sample Information

Client Sample ID: SP-07_1-2

York Sample ID: 18G1148-07

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:40 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
75-09-2	Methylene chloride	0.0054	J	mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0085	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS



Sample Information

Client Sample ID: SP-07_1-2

York Sample ID: 18G1148-07

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:40 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 03:45	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 03:45	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: Toluene-d8	110 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	120 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR



Sample Information

Client Sample ID: SP-07_1-2

York Sample ID: 18G1148-07

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:40 am	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
208-96-8	Acenaphthylene	0.0542	J	mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
62-53-3	Aniline	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
120-12-7	Anthracene	0.0692	J	mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
56-55-3	Benzo(a)anthracene	0.254		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR



Sample Information

Client Sample ID: SP-07_1-2

York Sample ID: 18G1148-07

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:40 am	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.290		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
205-99-2	Benzo(b)fluoranthene	0.259		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
191-24-2	Benzo(g,h,i)perylene	0.225		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
207-08-9	Benzo(k)fluoranthene	0.236		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.123	B	mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
218-01-9	Chrysene	0.294		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
53-70-3	Dibenzo(a,h)anthracene	0.0722	J	mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
122-39-4	Diphenylamine	ND		mg/kg dry	0.0941	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
206-44-0	Fluoranthene	0.460		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR



Sample Information

Client Sample ID: SP-07_1-2

York Sample ID: 18G1148-07

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:40 am	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.186		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
85-01-8	Phenanthrene	0.163		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
108-95-2	Phenol	ND		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
129-00-0	Pyrene	0.464		mg/kg dry	0.0472	0.0941	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:30	SR

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	59.8 %	20-108
4165-62-2	Surrogate: Phenol-d5	63.4 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	60.0 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	54.6 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	88.6 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	73.4 %	24-116



Sample Information

Client Sample ID: SP-07_1-2

York Sample ID: 18G1148-07

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:40 am	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	08/01/2018 12:01	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0374	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	07/30/2018 14:43	08/01/2018 12:01	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
72-20-8	Endrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	08/01/2018 12:01	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00935	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA



Sample Information

Client Sample ID: SP-07_1-2

York Sample ID: 18G1148-07

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:40 am	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0946	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:01	SA
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	65.6 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	37.5 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:51	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:51	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:51	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:51	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:51	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:51	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 23:51	LAB
1336-36-3	* Total PCBs	0.0331		mg/kg dry	0.0189	1	EPA 8082A Certifications:	07/30/2018 14:43	07/31/2018 23:51	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	64.9 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	54.7 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8610		mg/kg dry	5.67	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-36-0	Antimony	1.44		mg/kg dry	0.567	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-38-2	Arsenic	3.61		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML



Sample Information

Client Sample ID: SP-07_1-2

York Sample ID: 18G1148-07

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:40 am	<u>Date Received</u> 07/26/2018
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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
7440-39-3	Barium	84.8		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.113	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-43-9	Cadmium	0.466		mg/kg dry	0.340	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-70-2	Calcium	45100		mg/kg dry	5.67	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-47-3	Chromium	19.4		mg/kg dry	0.567	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-48-4	Cobalt	7.06		mg/kg dry	0.567	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-50-8	Copper	20.4		mg/kg dry	0.567	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7439-89-6	Iron	14300		mg/kg dry	2.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7439-92-1	Lead	674		mg/kg dry	0.567	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7439-95-4	Magnesium	20500		mg/kg dry	5.67	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7439-96-5	Manganese	227		mg/kg dry	0.567	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-02-0	Nickel	15.9		mg/kg dry	0.567	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-09-7	Potassium	3160		mg/kg dry	5.67	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7782-49-2	Selenium	3.70		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-22-4	Silver	ND		mg/kg dry	0.567	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-23-5	Sodium	520		mg/kg dry	11.3	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-28-0	Thallium	ND		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-62-2	Vanadium	26.3		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	KML
7440-66-6	Zinc	64.0		mg/kg dry	1.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:48	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
120 RESEARCH DRIVE www.YORKLAB.com	STRATFORD, CT 06615 (203) 325-1371						132-02 89th AVENUE FAX (203) 357-0166	RICHMOND HILL, NY 11418 ClientServices@yorklab.com		



Sample Information

Client Sample ID: SP-07_1-2

York Sample ID: 18G1148-07

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:40 am	<u>Date Received</u> 07/26/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0530		mg/kg dry	0.0340	1	EPA 7473	07/30/2018 16:31	07/30/2018 19:21	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.3		%	0.100	1	SM 2540G	07/27/2018 09:29	07/27/2018 14:04	TAJ
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.567	1	EPA 7196A	08/01/2018 15:08	08/01/2018 22:56	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	19.4		mg/kg	0.500	1	Calculation	08/02/2018 12:27	08/02/2018 12:41	PAM
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.567	1	EPA 9014/9010C	07/30/2018 11:01	07/30/2018 14:58	AD
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: SP-08_0-1

York Sample ID: 18G1148-08

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:25 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 04:16	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 04:16	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS



Sample Information

Client Sample ID: SP-08_0-1

York Sample ID: 18G1148-08

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:25 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
67-64-1	Acetone	0.018	CCV-E	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS



Sample Information

Client Sample ID: SP-08_0-1

York Sample ID: 18G1148-08

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:25 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
75-09-2	Methylene chloride	0.0058	J	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS



Sample Information

Client Sample ID: SP-08_0-1

York Sample ID: 18G1148-08

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:25 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:16	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 04:16	RDS
	Surrogate Recoveries	Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.3 %			77-125						
2037-26-5	Surrogate: Toluene-d8	110 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	128 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR



Sample Information

Client Sample ID: SP-08_0-1

York Sample ID: 18G1148-08

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:25 am	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
208-96-8	Acenaphthylene	0.0774	J	mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
62-53-3	Aniline	ND		mg/kg dry	0.218	0.436	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
120-12-7	Anthracene	0.112		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
92-87-5	Benzidine	ND		mg/kg dry	0.218	0.436	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
56-55-3	Benzo(a)anthracene	0.417		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR



Sample Information

Client Sample ID: SP-08_0-1

York Sample ID: 18G1148-08

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:25 am	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.434		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
205-99-2	Benzo(b)fluoranthene	0.376		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
191-24-2	Benzo(g,h,i)perylene	0.298		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
207-08-9	Benzo(k)fluoranthene	0.365		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
85-68-7	Benzyl butyl phthalate	0.0939	J	mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.0748	J, B	mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
218-01-9	Chrysene	0.415		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
53-70-3	Dibenzo(a,h)anthracene	0.110		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
122-39-4	Diphenylamine	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
206-44-0	Fluoranthene	0.775		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR



Sample Information

Client Sample ID: SP-08_0-1

York Sample ID: 18G1148-08

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:25 am	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.256		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
85-01-8	Phenanthrene	0.327		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
108-95-2	Phenol	ND		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
129-00-0	Pyrene	0.717		mg/kg dry	0.0545	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR
110-86-1	Pyridine	ND		mg/kg dry	0.218	0.436	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:01	SR

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	68.4 %	20-108
4165-62-2	Surrogate: Phenol-d5	70.5 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	78.1 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	76.2 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	98.2 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	93.5 %	24-116



Sample Information

Client Sample ID: SP-08_0-1

York Sample ID: 18G1148-08

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:25 am	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
50-29-3	4,4'-DDT	0.0100		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
5103-71-9	alpha-Chlordane	0.00577		mg/kg dry	0.00216	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	08/01/2018 12:16	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0432	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	07/30/2018 14:43	08/01/2018 12:16	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
72-20-8	Endrin	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
5566-34-7	gamma-Chlordane	0.00938		mg/kg dry	0.00216	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	08/01/2018 12:16	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00216	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.0108	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA



Sample Information

Client Sample ID: SP-08_0-1

York Sample ID: 18G1148-08

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:25 am	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.109	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 12:16	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	59.6 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	34.0 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0218	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 00:15	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0218	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 00:15	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0218	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 00:15	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0218	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 00:15	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0218	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 00:15	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0218	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 00:15	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0218	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 00:15	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0218	1	EPA 8082A Certifications:	07/30/2018 14:43	08/01/2018 00:15	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	62.9 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	48.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	11500		mg/kg dry	6.55	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-36-0	Antimony	3.22		mg/kg dry	0.655	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-38-2	Arsenic	3.77		mg/kg dry	1.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML



Sample Information

Client Sample ID: SP-08_0-1

York Sample ID: 18G1148-08

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:25 am	<u>Date Received</u> 07/26/2018
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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
7440-39-3	Barium	177		mg/kg dry	1.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.131	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-43-9	Cadmium	0.727		mg/kg dry	0.393	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-70-2	Calcium	56600		mg/kg dry	6.55	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-47-3	Chromium	34.9		mg/kg dry	0.655	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-48-4	Cobalt	11.2		mg/kg dry	0.655	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-50-8	Copper	43.7		mg/kg dry	0.655	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7439-89-6	Iron	21300		mg/kg dry	2.62	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7439-92-1	Lead	79.2		mg/kg dry	0.655	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7439-95-4	Magnesium	15500		mg/kg dry	6.55	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7439-96-5	Manganese	336		mg/kg dry	0.655	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-02-0	Nickel	25.6		mg/kg dry	0.655	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-09-7	Potassium	4940		mg/kg dry	6.55	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7782-49-2	Selenium	ND		mg/kg dry	1.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-22-4	Silver	ND		mg/kg dry	0.655	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-23-5	Sodium	340		mg/kg dry	13.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-28-0	Thallium	ND		mg/kg dry	1.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-62-2	Vanadium	42.8		mg/kg dry	1.31	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	KML
7440-66-6	Zinc	133		mg/kg dry	1.97	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:50	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP-08_0-1

York Sample ID: 18G1148-08

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 11:25 am	<u>Date Received</u> 07/26/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.105		mg/kg dry	0.0393	1	EPA 7473	07/30/2018 16:31	07/30/2018 19:30	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	76.3		%	0.100	1	SM 2540G	07/27/2018 09:29	07/27/2018 14:04	TAJ
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.655	1	EPA 7196A	08/01/2018 15:08	08/01/2018 22:56	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	34.9		mg/kg	0.500	1	Calculation	08/02/2018 12:27	08/02/2018 12:41	PAM
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.655	1	EPA 9014/9010C	07/30/2018 11:01	07/30/2018 14:58	AD
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: SP-09_1-2

York Sample ID: 18G1148-09

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:10 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 04:47	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 04:47	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
95-63-6	1,2,4-Trimethylbenzene	0.014		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
108-67-8	1,3,5-Trimethylbenzene	0.0067		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.095	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
78-93-3	2-Butanone	0.0046	J	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS



Sample Information

Client Sample ID: SP-09_1-2

York Sample ID: 18G1148-09

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:10 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
67-64-1	Acetone	0.054	CCV-E	mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
75-15-0	Carbon disulfide	0.0032	J	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS



Sample Information

Client Sample ID: SP-09_1-2

York Sample ID: 18G1148-09

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:10 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
75-09-2	Methylene chloride	0.0059	J	mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
104-51-8	n-Butylbenzene	0.0056		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0095	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
99-87-6	p-Isopropyltoluene	0.0050		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
135-98-8	sec-Butylbenzene	0.0028	J	mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS



Sample Information

Client Sample ID: SP-09_1-2

York Sample ID: 18G1148-09

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:10 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0024	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 04:47	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0071	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 04:47	RDS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	99.1 %		77-125							
2037-26-5	Surrogate: Toluene-d8	112 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	136 %	S-09	76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
91-57-6	2-Methylnaphthalene	0.0571	J	mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW



Sample Information

Client Sample ID: SP-09_1-2

York Sample ID: 18G1148-09

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:10 am	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
83-32-9	Acenaphthene	0.0608	J	mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
208-96-8	Acenaphthylene	0.0800	J	mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
62-53-3	Aniline	ND		mg/kg dry	0.186	0.371	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
120-12-7	Anthracene	0.131		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
92-87-5	Benzidine	ND		mg/kg dry	0.186	0.371	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
56-55-3	Benzo(a)anthracene	0.325		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW



Sample Information

Client Sample ID: SP-09_1-2

York Sample ID: 18G1148-09

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:10 am	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.265		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
205-99-2	Benzo(b)fluoranthene	0.230		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
191-24-2	Benzo(g,h,i)perylene	0.192		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
207-08-9	Benzo(k)fluoranthene	0.229		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
117-81-7	Bis(2-ethylhexyl)phthalate	0.110	B	mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
218-01-9	Chrysene	0.330		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
53-70-3	Dibenzo(a,h)anthracene	0.0645	J	mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0927	0.185	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
206-44-0	Fluoranthene	0.664		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW



Sample Information

Client Sample ID: SP-09_1-2

York Sample ID: 18G1148-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1148

170502901

Soil

July 26, 2018 10:10 am

07/26/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.0941		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.166		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
85-01-8	Phenanthrene	0.419		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
108-95-2	Phenol	ND		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
129-00-0	Pyrene	0.664		mg/kg dry	0.0465	0.0927	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW
110-86-1	Pyridine	ND		mg/kg dry	0.186	0.371	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 12:32	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	57.9 %	20-108
4165-62-2	Surrogate: Phenol-d5	60.4 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	66.7 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	51.7 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	85.6 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	68.8 %	24-116



Sample Information

Client Sample ID: SP-09_1-2

York Sample ID: 18G1148-09

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:10 am	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	08/01/2018 14:46	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0367	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	07/30/2018 14:43	08/01/2018 14:46	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	08/01/2018 14:46	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00918	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA



Sample Information

Client Sample ID: SP-09_1-2

York Sample ID: 18G1148-09

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:10 am	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0929	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 14:46	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	43.2 %								30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	18.2 %	GC-SC							30-150

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 00:39	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 00:39	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 00:39	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 00:39	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 00:39	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 00:39	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 00:39	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications:	07/30/2018 14:43	08/01/2018 00:39	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	42.1 %								30-140
2051-24-3	Surrogate: Decachlorobiphenyl	43.3 %								30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9380		mg/kg dry	5.58	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-36-0	Antimony	1.34		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-38-2	Arsenic	3.94		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML



Sample Information

Client Sample ID: SP-09_1-2

York Sample ID: 18G1148-09

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:10 am	<u>Date Received</u> 07/26/2018
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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
7440-39-3	Barium	90.2		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.112	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-43-9	Cadmium	0.376		mg/kg dry	0.335	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-70-2	Calcium	26500		mg/kg dry	5.58	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-47-3	Chromium	19.4		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-48-4	Cobalt	7.70		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-50-8	Copper	40.9		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7439-89-6	Iron	14700		mg/kg dry	2.23	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7439-92-1	Lead	68.8		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7439-95-4	Magnesium	7960		mg/kg dry	5.58	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7439-96-5	Manganese	276		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-02-0	Nickel	16.7		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-09-7	Potassium	1530		mg/kg dry	5.58	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7782-49-2	Selenium	ND		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-22-4	Silver	ND		mg/kg dry	0.558	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-23-5	Sodium	1790		mg/kg dry	11.2	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-28-0	Thallium	ND		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-62-2	Vanadium	30.9		mg/kg dry	1.12	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	KML
7440-66-6	Zinc	79.8		mg/kg dry	1.67	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:52	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP-09_1-2

York Sample ID: 18G1148-09

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 10:10 am	<u>Date Received</u> 07/26/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.110		mg/kg dry	0.0335	1	EPA 7473	07/30/2018 16:31	07/30/2018 19:39	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	89.6		%	0.100	1	SM 2540G	07/27/2018 09:29	07/27/2018 14:04	TAJ
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.558	1	EPA 7196A	08/01/2018 15:08	08/01/2018 22:56	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	19.4		mg/kg	0.500	1	Calculation	08/02/2018 12:27	08/02/2018 12:41	PAM
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.558	1	EPA 9014/9010C	07/30/2018 11:01	07/30/2018 14:58	AD
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: SP-10_1-2

York Sample ID: 18G1148-10

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 9:15 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 05:17	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 05:17	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.036	0.071	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
78-93-3	2-Butanone	0.0034	J	mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS



Sample Information

Client Sample ID: SP-10_1-2

York Sample ID: 18G1148-10

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 9:15 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
67-64-1	Acetone	0.030	CCV-E	mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
75-15-0	Carbon disulfide	0.0019	J	mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS



Sample Information

Client Sample ID: SP-10_1-2

York Sample ID: 18G1148-10

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 9:15 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
98-82-8	Isopropylbenzene	0.015		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0036	0.0071	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
99-87-6	p-Isopropyltoluene	0.047		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS



Sample Information

Client Sample ID: SP-10_1-2

York Sample ID: 18G1148-10

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 9:15 am	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0018	0.0036	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 13:45	07/31/2018 05:17	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 13:45	07/31/2018 05:17	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	98.7 %			77-125						
2037-26-5	Surrogate: Toluene-d8	111 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	128 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW



Sample Information

Client Sample ID: SP-10_1-2

York Sample ID: 18G1148-10

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 9:15 am	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
208-96-8	Acenaphthylene	0.0866	J	mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
62-53-3	Aniline	ND		mg/kg dry	0.195	0.391	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
120-12-7	Anthracene	0.172		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.391	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
56-55-3	Benzo(a)anthracene	0.514		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW



Sample Information

Client Sample ID: SP-10_1-2

York Sample ID: 18G1148-10

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 9:15 am	<u>Date Received</u> 07/26/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.357		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
205-99-2	Benzo(b)fluoranthene	0.300		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
191-24-2	Benzo(g,h,i)perylene	0.300		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
207-08-9	Benzo(k)fluoranthene	0.354		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
85-68-7	Benzyl butyl phthalate	0.0585	J	mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
218-01-9	Chrysene	0.479		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
53-70-3	Dibenzo(a,h)anthracene	0.141		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
206-44-0	Fluoranthene	0.951		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW



Sample Information

Client Sample ID: SP-10_1-2

York Sample ID: 18G1148-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1148

170502901

Soil

July 26, 2018 9:15 am

07/26/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.255		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
85-01-8	Phenanthrene	0.567		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
108-95-2	Phenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
129-00-0	Pyrene	0.942		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW
110-86-1	Pyridine	ND		mg/kg dry	0.195	0.391	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/26/2018 19:46	07/27/2018 13:03	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	63.6 %	20-108
4165-62-2	Surrogate: Phenol-d5	69.4 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	72.7 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	62.1 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	89.3 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	83.8 %	24-116



Sample Information

Client Sample ID: SP-10_1-2

York Sample ID: 18G1148-10

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 9:15 am	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
50-29-3	4,4'-DDT	0.00419		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
309-00-2	Aldrin	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
319-84-6	alpha-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
5103-71-9	alpha-Chlordane	0.0140		mg/kg dry	0.00194	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	08/01/2018 15:01	SA
319-85-7	beta-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
57-74-9	Chlordane, total	ND		mg/kg dry	0.0387	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
319-86-8	delta-BHC	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
60-57-1	Dieldrin	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
959-98-8	Endosulfan I	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	07/30/2018 14:43	08/01/2018 15:01	SA
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
72-20-8	Endrin	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
5566-34-7	gamma-Chlordane	0.0102		mg/kg dry	0.00194	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	07/30/2018 14:43	08/01/2018 15:01	SA
76-44-8	Heptachlor	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00194	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
72-43-5	Methoxychlor	ND		mg/kg dry	0.00968	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA



Sample Information

Client Sample ID: SP-10_1-2

York Sample ID: 18G1148-10

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 9:15 am	<u>Date Received</u> 07/26/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0979	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/30/2018 14:43	08/01/2018 15:01	SA
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	43.7 %								30-150
877-09-8	Surrogate: Tetrachloro-m-xylene	24.6 %	GC-SC							30-150

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:13	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:13	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:13	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:13	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:13	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:13	LAB
11096-82-5	Aroclor 1260	0.0246		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	07/30/2018 14:43	07/31/2018 15:13	LAB
1336-36-3	* Total PCBs	0.0246		mg/kg dry	0.0195	1	EPA 8082A Certifications:	07/30/2018 14:43	07/31/2018 15:13	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	60.4 %								30-140
2051-24-3	Surrogate: Decachlorobiphenyl	59.7 %								30-140

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8480		mg/kg dry	5.88	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-36-0	Antimony	1.37		mg/kg dry	0.588	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-38-2	Arsenic	5.22		mg/kg dry	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML



Sample Information

Client Sample ID: SP-10_1-2

York Sample ID: 18G1148-10

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 9:15 am	<u>Date Received</u> 07/26/2018
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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
7440-39-3	Barium	119		mg/kg dry	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.118	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-43-9	Cadmium	0.547		mg/kg dry	0.353	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-70-2	Calcium	26900		mg/kg dry	5.88	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-47-3	Chromium	22.6		mg/kg dry	0.588	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-48-4	Cobalt	8.20		mg/kg dry	0.588	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-50-8	Copper	42.7		mg/kg dry	0.588	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7439-89-6	Iron	16400		mg/kg dry	2.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7439-92-1	Lead	115		mg/kg dry	0.588	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7439-95-4	Magnesium	10100		mg/kg dry	5.88	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7439-96-5	Manganese	234		mg/kg dry	0.588	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-02-0	Nickel	19.2		mg/kg dry	0.588	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-09-7	Potassium	2430		mg/kg dry	5.88	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7782-49-2	Selenium	ND		mg/kg dry	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-22-4	Silver	ND		mg/kg dry	0.588	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-23-5	Sodium	174		mg/kg dry	11.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-28-0	Thallium	ND		mg/kg dry	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-62-2	Vanadium	29.5		mg/kg dry	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	KML
7440-66-6	Zinc	213		mg/kg dry	1.77	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	07/27/2018 10:59	07/30/2018 13:59	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
120 RESEARCH DRIVE www.YORKLAB.com	STRATFORD, CT 06615 (203) 325-1371						132-02 89th AVENUE FAX (203) 357-0166	RICHMOND HILL, NY 11418 ClientServices@yorklab.com		



Sample Information

Client Sample ID: SP-10_1-2

York Sample ID: 18G1148-10

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> July 26, 2018 9:15 am	<u>Date Received</u> 07/26/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.207		mg/kg dry	0.0353	1	EPA 7473	07/30/2018 16:31	07/30/2018 19:48	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.0		%	0.100	1	SM 2540G	07/27/2018 09:29	07/27/2018 14:04	TAJ
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.588	1	EPA 7196A	08/01/2018 15:08	08/01/2018 22:56	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	22.6		mg/kg	0.500	1	Calculation	08/02/2018 12:27	08/02/2018 12:41	PAM
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.588	1	EPA 9014/9010C	07/30/2018 11:01	07/30/2018 14:58	AD
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: TB-01 072617

York Sample ID: 18G1148-11

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 26, 2018 3:00 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS



Sample Information

Client Sample ID: TB-01 072617

York Sample ID: 18G1148-11

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 26, 2018 3:00 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
107-02-8	Acrolein	ND		ug/L	0.200	4.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS



Sample Information

Client Sample ID: TB-01 072617

York Sample ID: 18G1148-11

<u>York Project (SDG) No.</u> 18G1148	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> July 26, 2018 3:00 pm	<u>Date Received</u> 07/26/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS



Sample Information

Client Sample ID: TB-01 072617

York Sample ID: 18G1148-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18G1148

170502901

Water

July 26, 2018 3:00 pm

07/26/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	07/30/2018 07:30	07/30/2018 12:28	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	07/30/2018 07:30	07/30/2018 12:28	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	106 %	69-130								
2037-26-5	Surrogate: Toluene-d8	99.1 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	100 %	79-122								



Analytical Batch Summary

Batch ID: BG81281 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18G1148-01	SP-01_0-1	07/26/18
18G1148-02	SP-02_0-1	07/26/18
18G1148-02RE1	SP-02_0-1	07/26/18
18G1148-03	SP-03_0-1	07/26/18
18G1148-04	SP-04_0-1	07/26/18
18G1148-05	SP-05_0-1	07/26/18
18G1148-06	SP-06_0-1	07/26/18
18G1148-07	SP-07_1-2	07/26/18
18G1148-08	SP-08_0-1	07/26/18
18G1148-09	SP-09_1-2	07/26/18
18G1148-10	SP-10_1-2	07/26/18
BG81281-BLK1	Blank	07/26/18
BG81281-BS1	LCS	07/26/18
BG81281-MS1	Matrix Spike	07/26/18
BG81281-MSD1	Matrix Spike Dup	07/26/18

Batch ID: BG81303 **Preparation Method:** Analysis Preparation Soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18G1148-01	SP-01_0-1	07/27/18
18G1148-02	SP-02_0-1	07/27/18
18G1148-03	SP-03_0-1	07/27/18
BG81303-BLK1	Blank	07/27/18
BG81303-SRM1	Reference	07/27/18

Batch ID: BG81305 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18G1148-01	SP-01_0-1	07/27/18
18G1148-02	SP-02_0-1	07/27/18
18G1148-03	SP-03_0-1	07/27/18
18G1148-04	SP-04_0-1	07/27/18
18G1148-05	SP-05_0-1	07/27/18
18G1148-06	SP-06_0-1	07/27/18
18G1148-07	SP-07_1-2	07/27/18
18G1148-08	SP-08_0-1	07/27/18
18G1148-09	SP-09_1-2	07/27/18
18G1148-10	SP-10_1-2	07/27/18

Batch ID: BG81321 **Preparation Method:** EPA 3050B **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18G1148-01	SP-01_0-1	07/27/18
18G1148-02	SP-02_0-1	07/27/18



18G1148-03	SP-03_0-1	07/27/18
18G1148-04	SP-04_0-1	07/27/18
18G1148-05	SP-05_0-1	07/27/18
18G1148-06	SP-06_0-1	07/27/18
18G1148-07	SP-07_1-2	07/27/18
18G1148-08	SP-08_0-1	07/27/18
18G1148-09	SP-09_1-2	07/27/18
18G1148-10	SP-10_1-2	07/27/18
BG81321-BLK1	Blank	07/27/18
BG81321-SRM1	Reference	07/27/18

Batch ID: BG81370 **Preparation Method:** EPA 5030B **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18G1148-11	TB-01 072617	07/30/18
BG81370-BLK1	Blank	07/30/18
BG81370-BS1	LCS	07/30/18
BG81370-BSD1	LCS Dup	07/30/18

Batch ID: BG81393 **Preparation Method:** EPA SW846-3060 **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
18G1148-01	SP-01_0-1	07/30/18
18G1148-02	SP-02_0-1	07/30/18
18G1148-03	SP-03_0-1	07/30/18
BG81393-BLK1	Blank	07/30/18
BG81393-SRM1	Reference	07/30/18

Batch ID: BG81397 **Preparation Method:** Analysis Preparation Soil **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18G1148-04	SP-04_0-1	07/30/18
18G1148-05	SP-05_0-1	07/30/18
18G1148-06	SP-06_0-1	07/30/18
18G1148-07	SP-07_1-2	07/30/18
18G1148-08	SP-08_0-1	07/30/18
18G1148-09	SP-09_1-2	07/30/18
18G1148-10	SP-10_1-2	07/30/18
BG81397-BLK1	Blank	07/30/18
BG81397-SRM1	Reference	07/30/18

Batch ID: BG81409 **Preparation Method:** EPA 5035A **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18G1148-01	SP-01_0-1	07/30/18
18G1148-02	SP-02_0-1	07/30/18
18G1148-03	SP-03_0-1	07/30/18
18G1148-04	SP-04_0-1	07/30/18
18G1148-05	SP-05_0-1	07/30/18



18G1148-06	SP-06_0-1	07/30/18
18G1148-07	SP-07_1-2	07/30/18
18G1148-08	SP-08_0-1	07/30/18
18G1148-09	SP-09_1-2	07/30/18
18G1148-10	SP-10_1-2	07/30/18
BG81409-BLK1	Blank	07/30/18
BG81409-BS1	LCS	07/30/18
BG81409-BSD1	LCS Dup	07/30/18

Batch ID: BG81413 **Preparation Method:** EPA 3550C **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
18G1148-01	SP-01_0-1	07/30/18
18G1148-01	SP-01_0-1	07/30/18
18G1148-02	SP-02_0-1	07/30/18
18G1148-02	SP-02_0-1	07/30/18
18G1148-03	SP-03_0-1	07/30/18
18G1148-03	SP-03_0-1	07/30/18
18G1148-04	SP-04_0-1	07/30/18
18G1148-04	SP-04_0-1	07/30/18
18G1148-05	SP-05_0-1	07/30/18
18G1148-05	SP-05_0-1	07/30/18
18G1148-06	SP-06_0-1	07/30/18
18G1148-06	SP-06_0-1	07/30/18
18G1148-07	SP-07_1-2	07/30/18
18G1148-07	SP-07_1-2	07/30/18
18G1148-08	SP-08_0-1	07/30/18
18G1148-08	SP-08_0-1	07/30/18
18G1148-09	SP-09_1-2	07/30/18
18G1148-09	SP-09_1-2	07/30/18
18G1148-10	SP-10_1-2	07/30/18
18G1148-10	SP-10_1-2	07/30/18
BG81413-BLK1	Blank	07/30/18
BG81413-BLK2	Blank	07/30/18
BG81413-BS1	LCS	07/30/18
BG81413-BS2	LCS	07/30/18

Batch ID: BG81422 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18G1148-01	SP-01_0-1	07/30/18
18G1148-02	SP-02_0-1	07/30/18
18G1148-03	SP-03_0-1	07/30/18
18G1148-04	SP-04_0-1	07/30/18
18G1148-05	SP-05_0-1	07/30/18
18G1148-06	SP-06_0-1	07/30/18
18G1148-07	SP-07_1-2	07/30/18
18G1148-08	SP-08_0-1	07/30/18
18G1148-09	SP-09_1-2	07/30/18
18G1148-10	SP-10_1-2	07/30/18
BG81422-BLK1	Blank	07/30/18



BG81422-SRM1

Reference

07/30/18

Batch ID: BH80055

Preparation Method: EPA SW846-3060

Prepared By: TJD

YORK Sample ID	Client Sample ID	Preparation Date
18G1148-04	SP-04_0-1	08/01/18
18G1148-05	SP-05_0-1	08/01/18
18G1148-06	SP-06_0-1	08/01/18
18G1148-07	SP-07_1-2	08/01/18
18G1148-08	SP-08_0-1	08/01/18
18G1148-09	SP-09_1-2	08/01/18
18G1148-10	SP-10_1-2	08/01/18
BH80055-BLK1	Blank	08/01/18
BH80055-SRM1	Reference	08/01/18

Batch ID: BH80118

Preparation Method: Analysis Preparation

Prepared By: PAM

YORK Sample ID	Client Sample ID	Preparation Date
18G1148-01	SP-01_0-1	08/02/18
18G1148-02	SP-02_0-1	08/02/18
18G1148-03	SP-03_0-1	08/02/18
18G1148-04	SP-04_0-1	08/02/18
18G1148-05	SP-05_0-1	08/02/18
18G1148-06	SP-06_0-1	08/02/18
18G1148-07	SP-07_1-2	08/02/18
18G1148-08	SP-08_0-1	08/02/18
18G1148-09	SP-09_1-2	08/02/18
18G1148-10	SP-10_1-2	08/02/18



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG81370 - EPA 5030B

Blank (BG81370-BLK1)

Prepared & Analyzed: 07/30/2018

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	4.00	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



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 BG81370 - EPA 5030B

Blank (BG81370-BLK1)

Prepared & Analyzed: 07/30/2018

n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
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Surrogate: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130				
Surrogate: Toluene-d8	10.0		"	10.0		100	81-117				
Surrogate: p-Bromofluorobenzene	10.0		"	10.0		100	79-122				

LCS (BG81370-BS1)

Prepared & Analyzed: 07/30/2018

1,1,1,2-Tetrachloroethane	11.3		ug/L	10.0		113	82-126				
1,1,1-Trichloroethane	9.34		"	10.0		93.4	78-136				
1,1,2,2-Tetrachloroethane	11.2		"	10.0		112	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.29		"	10.0		82.9	54-165				
1,1,2-Trichloroethane	10.9		"	10.0		109	82-123				
1,1-Dichloroethane	10.1		"	10.0		101	82-129				
1,1-Dichloroethylene	8.22		"	10.0		82.2	68-138				
1,2,3-Trichlorobenzene	9.86		"	10.0		98.6	76-136				
1,2,3-Trichloropropane	11.3		"	10.0		113	77-128				
1,2,4-Trichlorobenzene	9.76		"	10.0		97.6	76-137				
1,2,4-Trimethylbenzene	10.4		"	10.0		104	82-132				
1,2-Dibromo-3-chloropropane	10.7		"	10.0		107	45-147				
1,2-Dibromoethane	10.9		"	10.0		109	83-124				
1,2-Dichlorobenzene	10.5		"	10.0		105	79-123				
1,2-Dichloroethane	10.9		"	10.0		109	73-132				
1,2-Dichloropropane	10.1		"	10.0		101	78-126				
1,3,5-Trimethylbenzene	10.1		"	10.0		101	80-131				
1,3-Dichlorobenzene	10.6		"	10.0		106	86-122				
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124				
1,4-Dioxane	465		"	210		221	10-349				
2-Butanone	12.2		"	10.0		122	49-152				
2-Hexanone	11.3		"	10.0		113	51-146				
4-Methyl-2-pentanone	11.2		"	10.0		112	57-145				
Acetone	11.4		"	10.0		114	14-150				
Acrolein	15.8		"	10.0		158	10-153	High Bias			
Acrylonitrile	9.93		"	10.0		99.3	51-150				
Benzene	10.0		"	10.0		100	85-126				
Bromochloromethane	10.6		"	10.0		106	77-128				
Bromodichloromethane	10.6		"	10.0		106	79-128				



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG81370 - EPA 5030B

LCS (BG81370-BS1)

Prepared & Analyzed: 07/30/2018

Bromoform	11.4		ug/L	10.0		114	78-133				
Bromomethane	3.46		"	10.0		34.6	43-168	Low Bias			
Carbon disulfide	9.11		"	10.0		91.1	68-146				
Carbon tetrachloride	9.00		"	10.0		90.0	77-141				
Chlorobenzene	10.8		"	10.0		108	88-120				
Chloroethane	9.06		"	10.0		90.6	65-136				
Chloroform	10.5		"	10.0		105	82-128				
Chloromethane	6.16		"	10.0		61.6	43-155				
cis-1,2-Dichloroethylene	10.3		"	10.0		103	83-129				
cis-1,3-Dichloropropylene	10.4		"	10.0		104	80-131				
Cyclohexane	8.32		"	10.0		83.2	63-149				
Dibromochloromethane	11.5		"	10.0		115	80-130				
Dibromomethane	10.7		"	10.0		107	72-134				
Dichlorodifluoromethane	4.85		"	10.0		48.5	44-144				
Ethyl Benzene	10.3		"	10.0		103	80-131				
Hexachlorobutadiene	7.95		"	10.0		79.5	67-146				
Isopropylbenzene	9.78		"	10.0		97.8	76-140				
Methyl acetate	10.3		"	10.0		103	51-139				
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	76-135				
Methylcyclohexane	8.29		"	10.0		82.9	72-143				
Methylene chloride	7.94		"	10.0		79.4	55-137				
n-Butylbenzene	9.31		"	10.0		93.1	79-132				
n-Propylbenzene	9.90		"	10.0		99.0	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	19.2		"	20.0		96.1	77-133				
p-Isopropyltoluene	9.72		"	10.0		97.2	81-136				
sec-Butylbenzene	9.75		"	10.0		97.5	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	76.4		"	50.0		153	25-162				
tert-Butylbenzene	9.71		"	10.0		97.1	77-138				
Tetrachloroethylene	8.91		"	10.0		89.1	82-131				
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	9.30		"	10.0		93.0	80-132				
trans-1,3-Dichloropropylene	10.3		"	10.0		103	78-131				
Trichloroethylene	9.78		"	10.0		97.8	82-128				
Trichlorofluoromethane	7.97		"	10.0		79.7	67-139				
Vinyl Chloride	7.43		"	10.0		74.3	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.94</i>		<i>"</i>	<i>10.0</i>		<i>99.4</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 BG81370 - EPA 5030B											
LCS Dup (BG81370-BSD1)											
Prepared & Analyzed: 07/30/2018											
1,1,1,2-Tetrachloroethane	10.9		ug/L	10.0		109	82-126		3.52	30	
1,1,1-Trichloroethane	10.0		"	10.0		100	78-136		6.93	30	
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-129		7.67	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.99		"	10.0		99.9	54-165		18.6	30	
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123		6.07	30	
1,1-Dichloroethane	9.87		"	10.0		98.7	82-129		2.11	30	
1,1-Dichloroethylene	9.16		"	10.0		91.6	68-138		10.8	30	
1,2,3-Trichlorobenzene	9.66		"	10.0		96.6	76-136		2.05	30	
1,2,3-Trichloropropane	10.5		"	10.0		105	77-128		7.60	30	
1,2,4-Trichlorobenzene	9.43		"	10.0		94.3	76-137		3.44	30	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132		3.22	30	
1,2-Dibromo-3-chloropropane	9.89		"	10.0		98.9	45-147		7.68	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		3.36	30	
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123		4.37	30	
1,2-Dichloroethane	10.4		"	10.0		104	73-132		5.17	30	
1,2-Dichloropropane	9.85		"	10.0		98.5	78-126		2.70	30	
1,3,5-Trimethylbenzene	10.0		"	10.0		100	80-131		0.694	30	
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122		4.93	30	
1,4-Dichlorobenzene	9.94		"	10.0		99.4	85-124		5.38	30	
1,4-Dioxane	409		"	210		195	10-349		12.8	30	
2-Butanone	10.6		"	10.0		106	49-152		13.4	30	
2-Hexanone	10.4		"	10.0		104	51-146		8.10	30	
4-Methyl-2-pentanone	10.7		"	10.0		107	57-145		4.40	30	
Acetone	9.99		"	10.0		99.9	14-150		12.8	30	
Acrolein	13.7		"	10.0		137	10-153		14.1	30	
Acrylonitrile	8.56		"	10.0		85.6	51-150		14.8	30	
Benzene	9.93		"	10.0		99.3	85-126		0.902	30	
Bromochloromethane	9.99		"	10.0		99.9	77-128		5.45	30	
Bromodichloromethane	10.2		"	10.0		102	79-128		4.52	30	
Bromoform	10.7		"	10.0		107	78-133		5.52	30	
Bromomethane	3.80		"	10.0		38.0	43-168	Low Bias	9.37	30	
Carbon disulfide	9.71		"	10.0		97.1	68-146		6.38	30	
Carbon tetrachloride	10.2		"	10.0		102	77-141		12.1	30	
Chlorobenzene	10.5		"	10.0		105	88-120		2.73	30	
Chloroethane	9.23		"	10.0		92.3	65-136		1.86	30	
Chloroform	10.2		"	10.0		102	82-128		2.90	30	
Chloromethane	6.25		"	10.0		62.5	43-155		1.45	30	
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129		2.35	30	
cis-1,3-Dichloropropylene	9.89		"	10.0		98.9	80-131		4.93	30	
Cyclohexane	10.1		"	10.0		101	63-149		19.3	30	
Dibromochloromethane	11.1		"	10.0		111	80-130		3.71	30	
Dibromomethane	10.2		"	10.0		102	72-134		4.61	30	
Dichlorodifluoromethane	5.82		"	10.0		58.2	44-144		18.2	30	
Ethyl Benzene	10.4		"	10.0		104	80-131		0.867	30	
Hexachlorobutadiene	8.32		"	10.0		83.2	67-146		4.55	30	
Isopropylbenzene	9.90		"	10.0		99.0	76-140		1.22	30	
Methyl acetate	9.78		"	10.0		97.8	51-139		4.79	30	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-135		4.03	30	
Methylcyclohexane	9.73		"	10.0		97.3	72-143		16.0	30	
Methylene chloride	7.62		"	10.0		76.2	55-137		4.11	30	
n-Butylbenzene	9.61		"	10.0		96.1	79-132		3.17	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 BG81370 - EPA 5030B

LCS Dup (BG81370-BSD1)

Prepared & Analyzed: 07/30/2018

n-Propylbenzene	10.1		ug/L	10.0		101	78-133			1.80	30
o-Xylene	10.6		"	10.0		106	78-130			1.50	30
p- & m- Xylenes	19.3		"	20.0		96.4	77-133			0.260	30
p-Isopropyltoluene	9.81		"	10.0		98.1	81-136			0.922	30
sec-Butylbenzene	10.2		"	10.0		102	79-137			4.02	30
Styrene	10.2		"	10.0		102	67-132			3.10	30
tert-Butyl alcohol (TBA)	71.0		"	50.0		142	25-162			7.31	30
tert-Butylbenzene	9.99		"	10.0		99.9	77-138			2.84	30
Tetrachloroethylene	9.44		"	10.0		94.4	82-131			5.78	30
Toluene	10.0		"	10.0		100	80-127			1.48	30
trans-1,2-Dichloroethylene	9.50		"	10.0		95.0	80-132			2.13	30
trans-1,3-Dichloropropylene	9.80		"	10.0		98.0	78-131			4.88	30
Trichloroethylene	9.91		"	10.0		99.1	82-128			1.32	30
Trichlorofluoromethane	9.38		"	10.0		93.8	67-139			16.3	30
Vinyl Chloride	8.25		"	10.0		82.5	58-145			10.5	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.72</i>		<i>"</i>	<i>10.0</i>		<i>97.2</i>	<i>79-122</i>				

Batch BG81409 - EPA 5035A

Blank (BG81409-BLK1)

Prepared: 07/30/2018 Analyzed: 07/31/2018

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



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

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

Batch BG81409 - EPA 5035A

Blank (BG81409-BLK1)

Prepared: 07/30/2018 Analyzed: 07/31/2018

Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	0.0060	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								

Surrogate: 1,2-Dichloroethane-d4	50.2		ug/L	50.0	100	77-125
Surrogate: Toluene-d8	52.5		"	50.0	105	85-120
Surrogate: p-Bromofluorobenzene	46.1		"	50.0	92.2	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 BG81409 - EPA 5035A										
LCS (BG81409-BS1)										
Prepared & Analyzed: 07/30/2018										
1,1,1,2-Tetrachloroethane	50.2		ug/L	50.0		100	75-129			
1,1,1-Trichloroethane	48.9		"	50.0		97.8	71-137			
1,1,2,2-Tetrachloroethane	51.0		"	50.0		102	79-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.6		"	50.0		91.2	58-146			
1,1,2-Trichloroethane	49.6		"	50.0		99.2	83-123			
1,1-Dichloroethane	46.5		"	50.0		93.0	75-130			
1,1-Dichloroethylene	42.7		"	50.0		85.4	64-137			
1,2,3-Trichlorobenzene	52.4		"	50.0		105	81-140			
1,2,3-Trichloropropane	50.5		"	50.0		101	81-126			
1,2,4-Trichlorobenzene	50.8		"	50.0		102	80-141			
1,2,4-Trimethylbenzene	52.3		"	50.0		105	84-125			
1,2-Dibromo-3-chloropropane	46.6		"	50.0		93.2	74-142			
1,2-Dibromoethane	51.2		"	50.0		102	86-123			
1,2-Dichlorobenzene	51.3		"	50.0		103	85-122			
1,2-Dichloroethane	46.9		"	50.0		93.7	71-133			
1,2-Dichloropropane	46.2		"	50.0		92.3	81-122			
1,3,5-Trimethylbenzene	48.8		"	50.0		97.5	82-126			
1,3-Dichlorobenzene	50.0		"	50.0		100	84-124			
1,4-Dichlorobenzene	50.1		"	50.0		100	84-124			
1,4-Dioxane	1040		"	1050		98.7	10-228			
2-Butanone	42.1		"	50.0		84.3	58-147			
2-Hexanone	42.8		"	50.0		85.6	70-139			
4-Methyl-2-pentanone	41.7		"	50.0		83.5	72-132			
Acetone	36.0		"	50.0		72.0	36-155			
Acrolein	54.3		"	50.0		109	10-238			
Acrylonitrile	46.0		"	50.0		92.0	66-141			
Benzene	46.1		"	50.0		92.3	77-127			
Bromochloromethane	43.4		"	50.0		86.9	74-129			
Bromodichloromethane	49.2		"	50.0		98.4	81-124			
Bromoform	53.1		"	50.0		106	80-136			
Bromomethane	53.6		"	50.0		107	32-177			
Carbon disulfide	45.8		"	50.0		91.6	10-136			
Carbon tetrachloride	48.6		"	50.0		97.3	66-143			
Chlorobenzene	50.5		"	50.0		101	86-120			
Chloroethane	54.2		"	50.0		108	51-142			
Chloroform	49.2		"	50.0		98.4	76-131			
Chloromethane	34.0		"	50.0		67.9	49-132			
cis-1,2-Dichloroethylene	49.4		"	50.0		98.9	74-132			
cis-1,3-Dichloropropylene	47.2		"	50.0		94.5	81-129			
Cyclohexane	43.5		"	50.0		87.0	70-130			
Dibromochloromethane	51.4		"	50.0		103	10-200			
Dibromomethane	50.8		"	50.0		102	83-124			
Dichlorodifluoromethane	25.9		"	50.0		51.9	28-158			
Ethyl Benzene	48.2		"	50.0		96.3	84-125			
Hexachlorobutadiene	49.7		"	50.0		99.3	83-133			
Isopropylbenzene	49.0		"	50.0		97.9	81-127			
Methyl acetate	41.6		"	50.0		83.3	41-143			
Methyl tert-butyl ether (MTBE)	48.3		"	50.0		96.7	74-131			
Methylcyclohexane	45.5		"	50.0		90.9	70-130			
Methylene chloride	41.8		"	50.0		83.6	57-141			
n-Butylbenzene	67.4		"	50.0		135	80-130	High 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
Batch BG81409 - EPA 5035A											
LCS (BG81409-BS1)											
Prepared & Analyzed: 07/30/2018											
n-Propylbenzene	48.4		ug/L	50.0		96.8	74-136				
o-Xylene	48.8		"	50.0		97.5	83-123				
p- & m- Xylenes	94.8		"	100		94.8	82-128				
p-Isopropyltoluene	49.9		"	50.0		99.9	85-125				
sec-Butylbenzene	51.9		"	50.0		104	83-125				
Styrene	48.5		"	50.0		96.9	86-126				
tert-Butyl alcohol (TBA)	239		"	250		95.6	70-130				
tert-Butylbenzene	41.5		"	50.0		83.1	80-127				
Tetrachloroethylene	51.5		"	50.0		103	80-129				
Toluene	47.8		"	50.0		95.5	85-121				
trans-1,2-Dichloroethylene	43.9		"	50.0		87.8	72-132				
trans-1,3-Dichloropropylene	47.5		"	50.0		95.0	78-132				
Trichloroethylene	50.5		"	50.0		101	84-123				
Trichlorofluoromethane	45.3		"	50.0		90.7	62-140				
Vinyl Chloride	44.1		"	50.0		88.1	52-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>49.1</i>		<i>"</i>	<i>50.0</i>		<i>98.1</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>50.4</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>50.2</i>		<i>"</i>	<i>50.0</i>		<i>100</i>	<i>76-130</i>				
LCS Dup (BG81409-BSD1)											
Prepared & Analyzed: 07/30/2018											
1,1,1,2-Tetrachloroethane	50.2		ug/L	50.0		100	75-129		0.139		30
1,1,1-Trichloroethane	46.0		"	50.0		92.0	71-137		6.11		30
1,1,2,2-Tetrachloroethane	50.0		"	50.0		100	79-129		1.94		30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42.3		"	50.0		84.6	58-146		7.44		30
1,1,2-Trichloroethane	50.7		"	50.0		101	83-123		2.25		30
1,1-Dichloroethane	44.1		"	50.0		88.2	75-130		5.21		30
1,1-Dichloroethylene	39.3		"	50.0		78.6	64-137		8.34		30
1,2,3-Trichlorobenzene	50.4		"	50.0		101	81-140		3.81		30
1,2,3-Trichloropropane	51.1		"	50.0		102	81-126		1.22		30
1,2,4-Trichlorobenzene	47.6		"	50.0		95.1	80-141		6.65		30
1,2,4-Trimethylbenzene	51.3		"	50.0		103	84-125		1.97		30
1,2-Dibromo-3-chloropropane	48.0		"	50.0		96.1	74-142		3.00		30
1,2-Dibromoethane	50.9		"	50.0		102	86-123		0.529		30
1,2-Dichlorobenzene	49.7		"	50.0		99.4	85-122		3.21		30
1,2-Dichloroethane	45.0		"	50.0		89.9	71-133		4.14		30
1,2-Dichloropropane	45.1		"	50.0		90.3	81-122		2.21		30
1,3,5-Trimethylbenzene	46.3		"	50.0		92.6	82-126		5.22		30
1,3-Dichlorobenzene	47.6		"	50.0		95.2	84-124		5.02		30
1,4-Dichlorobenzene	48.2		"	50.0		96.4	84-124		3.93		30
1,4-Dioxane	1030		"	1050		98.0	10-228		0.720		30
2-Butanone	41.6		"	50.0		83.3	58-147		1.19		30
2-Hexanone	41.9		"	50.0		83.7	70-139		2.22		30
4-Methyl-2-pentanone	42.7		"	50.0		85.5	72-132		2.34		30
Acetone	34.0		"	50.0		67.9	36-155		5.86		30
Acrolein	51.7		"	50.0		103	10-238		4.94		30
Acrylonitrile	43.6		"	50.0		87.1	66-141		5.49		30
Benzene	45.1		"	50.0		90.3	77-127		2.19		30
Bromochloromethane	42.2		"	50.0		84.4	74-129		2.97		30
Bromodichloromethane	48.2		"	50.0		96.5	81-124		1.97		30
Bromoform	52.4		"	50.0		105	80-136		1.33		30
Bromomethane	53.1		"	50.0		106	32-177		0.806		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 BG81409 - EPA 5035A											
LCS Dup (BG81409-BSD1)											
Prepared & Analyzed: 07/30/2018											
Carbon disulfide	43.1		ug/L	50.0		86.2	10-136		6.03	30	
Carbon tetrachloride	47.2		"	50.0		94.3	66-143		3.07	30	
Chlorobenzene	48.2		"	50.0		96.4	86-120		4.68	30	
Chloroethane	50.8		"	50.0		102	51-142		6.67	30	
Chloroform	47.2		"	50.0		94.5	76-131		4.11	30	
Chloromethane	33.4		"	50.0		66.7	49-132		1.72	30	
cis-1,2-Dichloroethylene	47.0		"	50.0		94.1	74-132		4.97	30	
cis-1,3-Dichloropropylene	46.5		"	50.0		93.0	81-129		1.56	30	
Cyclohexane	41.1		"	50.0		82.2	70-130		5.74	30	
Dibromochloromethane	51.2		"	50.0		102	10-200		0.448	30	
Dibromomethane	50.8		"	50.0		102	83-124		0.0787	30	
Dichlorodifluoromethane	24.6		"	50.0		49.2	28-158		5.18	30	
Ethyl Benzene	47.5		"	50.0		95.0	84-125		1.44	30	
Hexachlorobutadiene	47.8		"	50.0		95.5	83-133		3.90	30	
Isopropylbenzene	46.7		"	50.0		93.5	81-127		4.68	30	
Methyl acetate	41.2		"	50.0		82.3	41-143		1.11	30	
Methyl tert-butyl ether (MTBE)	46.7		"	50.0		93.4	74-131		3.43	30	
Methylcyclohexane	45.4		"	50.0		90.7	70-130		0.242	30	
Methylene chloride	39.3		"	50.0		78.6	57-141		6.17	30	
n-Butylbenzene	62.1		"	50.0		124	80-130		8.05	30	
n-Propylbenzene	46.0		"	50.0		92.1	74-136		4.98	30	
o-Xylene	47.0		"	50.0		93.9	83-123		3.78	30	
p- & m- Xylenes	92.8		"	100		92.8	82-128		2.09	30	
p-Isopropyltoluene	47.5		"	50.0		94.9	85-125		5.09	30	
sec-Butylbenzene	50.1		"	50.0		100	83-125		3.57	30	
Styrene	47.0		"	50.0		94.0	86-126		3.04	30	
tert-Butyl alcohol (TBA)	242		"	250		96.7	70-130		1.14	30	
tert-Butylbenzene	41.0		"	50.0		82.0	80-127		1.31	30	
Tetrachloroethylene	49.8		"	50.0		99.5	80-129		3.40	30	
Toluene	46.8		"	50.0		93.5	85-121		2.16	30	
trans-1,2-Dichloroethylene	40.8		"	50.0		81.6	72-132		7.34	30	
trans-1,3-Dichloropropylene	46.4		"	50.0		92.8	78-132		2.34	30	
Trichloroethylene	48.1		"	50.0		96.1	84-123		4.87	30	
Trichlorofluoromethane	43.4		"	50.0		86.7	62-140		4.49	30	
Vinyl Chloride	42.5		"	50.0		85.0	52-130		3.65	30	
Surrogate: 1,2-Dichloroethane-d4	48.9		"	50.0		97.9	77-125				
Surrogate: Toluene-d8	51.0		"	50.0		102	85-120				
Surrogate: p-Bromofluorobenzene	52.0		"	50.0		104	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BG81281 - EPA 3550C

Blank (BG81281-BLK1)

Prepared: 07/26/2018 Analyzed: 07/27/2018

1,1-Biphenyl	ND	0.0417	mg/kg wet
1,2,4,5-Tetrachlorobenzene	ND	0.0833	"
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0417	"
2,3,4,6-Tetrachlorophenol	ND	0.0833	"
2,4,5-Trichlorophenol	ND	0.0417	"
2,4,6-Trichlorophenol	ND	0.0417	"
2,4-Dichlorophenol	ND	0.0417	"
2,4-Dimethylphenol	ND	0.0417	"
2,4-Dinitrophenol	ND	0.0833	"
2,4-Dinitrotoluene	ND	0.0417	"
2,6-Dinitrotoluene	ND	0.0417	"
2-Chloronaphthalene	ND	0.0417	"
2-Chlorophenol	ND	0.0417	"
2-Methylnaphthalene	ND	0.0417	"
2-Methylphenol	ND	0.0417	"
2-Nitroaniline	ND	0.0833	"
2-Nitrophenol	ND	0.0417	"
3- & 4-Methylphenols	ND	0.0417	"
3,3-Dichlorobenzidine	ND	0.0417	"
3-Nitroaniline	ND	0.0833	"
4,6-Dinitro-2-methylphenol	ND	0.0833	"
4-Bromophenyl phenyl ether	ND	0.0417	"
4-Chloro-3-methylphenol	ND	0.0417	"
4-Chloroaniline	ND	0.0417	"
4-Chlorophenyl phenyl ether	ND	0.0417	"
4-Nitroaniline	ND	0.0833	"
4-Nitrophenol	ND	0.0833	"
Acenaphthene	ND	0.0417	"
Acenaphthylene	ND	0.0417	"
Acetophenone	ND	0.0417	"
Aniline	ND	0.167	"
Anthracene	ND	0.0417	"
Atrazine	ND	0.0417	"
Benzaldehyde	ND	0.0417	"
Benzidine	ND	0.167	"
Benzo(a)anthracene	ND	0.0417	"
Benzo(a)pyrene	ND	0.0417	"
Benzo(b)fluoranthene	ND	0.0417	"
Benzo(g,h,i)perylene	ND	0.0417	"
Benzo(k)fluoranthene	ND	0.0417	"
Benzoic acid	ND	0.0417	"
Benzyl alcohol	ND	0.0417	"
Benzyl butyl phthalate	ND	0.0417	"
Bis(2-chloroethoxy)methane	ND	0.0417	"
Bis(2-chloroethyl)ether	ND	0.0417	"
Bis(2-chloroisopropyl)ether	ND	0.0417	"
Bis(2-ethylhexyl)phthalate	0.0617	0.0417	"
Caprolactam	ND	0.0833	"
Carbazole	ND	0.0417	"
Chrysene	ND	0.0417	"
Dibenzo(a,h)anthracene	ND	0.0417	"



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BG81281 - EPA 3550C

Blank (BG81281-BLK1)

Prepared: 07/26/2018 Analyzed: 07/27/2018

Dibenzofuran	ND	0.0417	mg/kg wet								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Diphenylamine	ND	0.0833	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
<i>Surrogate: 2-Fluorophenol</i>	1.78		"	1.67		107	20-108				
<i>Surrogate: Phenol-d5</i>	1.69		"	1.67		102	23-114				
<i>Surrogate: Nitrobenzene-d5</i>	0.950		"	0.833		114	22-108				
<i>Surrogate: 2-Fluorobiphenyl</i>	0.896		"	0.833		107	21-113				
<i>Surrogate: 2,4,6-Tribromophenol</i>	2.04		"	1.67		122	19-110				
<i>Surrogate: Terphenyl-d14</i>	1.05		"	0.833		126	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG81281 - EPA 3550C											
LCS (BG81281-BS1)											
Prepared: 07/26/2018 Analyzed: 07/27/2018											
1,1-Biphenyl	0.678	0.0417	mg/kg wet	0.833		81.4	18-111				
1,2,4,5-Tetrachlorobenzene	0.722	0.0833	"	0.833		86.6	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.183	0.0417	"	0.833		22.0	17-137				
2,3,4,6-Tetrachlorophenol	1.72	0.0833	"	0.833		206	30-130	High Bias			
2,4,5-Trichlorophenol	0.748	0.0417	"	0.833		89.8	27-118				
2,4,6-Trichlorophenol	0.800	0.0417	"	0.833		96.0	31-120				
2,4-Dichlorophenol	0.824	0.0417	"	0.833		98.8	20-127				
2,4-Dimethylphenol	0.870	0.0417	"	0.833		104	14-132				
2,4-Dinitrophenol	1.28	0.0833	"	0.833		154	10-171				
2,4-Dinitrotoluene	0.897	0.0417	"	0.833		108	34-131				
2,6-Dinitrotoluene	0.908	0.0417	"	0.833		109	31-128				
2-Chloronaphthalene	0.679	0.0417	"	0.833		81.5	31-117				
2-Chlorophenol	0.702	0.0417	"	0.833		84.3	33-113				
2-Methylnaphthalene	0.727	0.0417	"	0.833		87.2	12-138				
2-Methylphenol	0.688	0.0417	"	0.833		82.6	10-136				
2-Nitroaniline	0.743	0.0833	"	0.833		89.1	27-132				
2-Nitrophenol	0.925	0.0417	"	0.833		111	17-129				
3- & 4-Methylphenols	0.593	0.0417	"	0.833		71.2	29-103				
3,3-Dichlorobenzidine	0.468	0.0417	"	0.833		56.2	22-149				
3-Nitroaniline	0.675	0.0833	"	0.833		81.0	20-133				
4,6-Dinitro-2-methylphenol	1.28	0.0833	"	0.833		154	10-143	High Bias			
4-Bromophenyl phenyl ether	0.721	0.0417	"	0.833		86.6	29-120				
4-Chloro-3-methylphenol	0.760	0.0417	"	0.833		91.2	24-129				
4-Chloroaniline	0.545	0.0417	"	0.833		65.4	10-132				
4-Chlorophenyl phenyl ether	0.741	0.0417	"	0.833		88.9	27-124				
4-Nitroaniline	0.728	0.0833	"	0.833		87.3	16-128				
4-Nitrophenol	0.863	0.0833	"	0.833		104	10-141				
Acenaphthene	0.629	0.0417	"	0.833		75.5	30-121				
Acenaphthylene	0.631	0.0417	"	0.833		75.7	30-115				
Acetophenone	0.619	0.0417	"	0.833		74.2	20-112				
Aniline	0.471	0.167	"	0.833		56.5	10-119				
Anthracene	0.693	0.0417	"	0.833		83.2	34-118				
Atrazine	0.736	0.0417	"	0.833		88.3	26-112				
Benzaldehyde	0.706	0.0417	"	0.833		84.7	21-100				
Benzo(a)anthracene	0.716	0.0417	"	0.833		85.9	32-122				
Benzo(a)pyrene	0.701	0.0417	"	0.833		84.1	29-133				
Benzo(b)fluoranthene	0.700	0.0417	"	0.833		84.0	25-133				
Benzo(g,h,i)perylene	0.716	0.0417	"	0.833		86.0	10-143				
Benzo(k)fluoranthene	0.659	0.0417	"	0.833		79.1	25-128				
Benzoic acid	0.736	0.0417	"	0.842		87.4	10-140				
Benzyl alcohol	0.668	0.0417	"	0.833		80.2	30-115				
Benzyl butyl phthalate	0.783	0.0417	"	0.833		94.0	26-126				
Bis(2-chloroethoxy)methane	0.687	0.0417	"	0.833		82.4	19-132				
Bis(2-chloroethyl)ether	0.514	0.0417	"	0.833		61.7	19-125				
Bis(2-chloroisopropyl)ether	0.689	0.0417	"	0.833		82.6	20-135				
Bis(2-ethylhexyl)phthalate	0.690	0.0417	"	0.833		82.8	10-155				
Caprolactam	0.775	0.0833	"	0.833		93.0	10-127				
Carbazole	0.732	0.0417	"	0.833		87.8	35-123				
Chrysene	0.686	0.0417	"	0.833		82.3	32-123				
Dibenzo(a,h)anthracene	0.712	0.0417	"	0.833		85.5	10-136				
Dibenzofuran	0.648	0.0417	"	0.833		77.8	29-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BG81281 - EPA 3550C

LCS (BG81281-BS1)

Prepared: 07/26/2018 Analyzed: 07/27/2018

Diethyl phthalate	0.708	0.0417	mg/kg wet	0.833		85.0	34-116				
Dimethyl phthalate	0.706	0.0417	"	0.833		84.8	35-124				
Di-n-butyl phthalate	0.704	0.0417	"	0.833		84.5	31-116				
Di-n-octyl phthalate	0.766	0.0417	"	0.833		92.0	26-136				
Diphenylamine	0.861	0.0833	"	0.833		103	40-140				
Fluoranthene	0.705	0.0417	"	0.833		84.6	33-122				
Fluorene	0.653	0.0417	"	0.833		78.4	29-123				
Hexachlorobenzene	0.683	0.0417	"	0.833		81.9	21-124				
Hexachlorobutadiene	0.749	0.0417	"	0.833		89.9	10-149				
Hexachlorocyclopentadiene	0.768	0.0417	"	0.833		92.1	10-129				
Hexachloroethane	0.661	0.0417	"	0.833		79.3	28-108				
Indeno(1,2,3-cd)pyrene	0.719	0.0417	"	0.833		86.3	10-135				
Isophorone	0.704	0.0417	"	0.833		84.5	20-132				
Naphthalene	0.656	0.0417	"	0.833		78.7	23-124				
Nitrobenzene	0.733	0.0417	"	0.833		88.0	13-132				
N-Nitrosodimethylamine	0.629	0.0417	"	0.833		75.4	11-129				
N-nitroso-di-n-propylamine	0.608	0.0417	"	0.833		73.0	24-119				
N-Nitrosodiphenylamine	0.818	0.0417	"	0.833		98.1	22-152				
Pentachlorophenol	0.740	0.0417	"	0.833		88.8	10-139				
Phenanthrene	0.691	0.0417	"	0.833		82.9	33-123				
Phenol	0.687	0.0417	"	0.833		82.5	23-115				
Pyrene	0.733	0.0417	"	0.833		88.0	32-130				
Pyridine	0.677	0.167	"	0.833		81.2	10-91				
Surrogate: 2-Fluorophenol	1.52		"	1.67		91.5	20-108				
Surrogate: Phenol-d5	1.43		"	1.67		85.8	23-114				
Surrogate: Nitrobenzene-d5	0.823		"	0.833		98.8	22-108				
Surrogate: 2-Fluorobiphenyl	0.759		"	0.833		91.1	21-113				
Surrogate: 2,4,6-Tribromophenol	1.82		"	1.67		109	19-110				
Surrogate: Terphenyl-d14	0.955		"	0.833		115	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG81281 - EPA 3550C											
Matrix Spike (BG81281-MS1)	*Source sample: 18G1148-03 (SP-03_0-1)						Prepared: 07/26/2018 Analyzed: 07/27/2018				
1,1-Biphenyl	0.560	0.0951	mg/kg dry	0.951	ND	58.9	10-130				
1,2,4,5-Tetrachlorobenzene	0.617	0.190	"	0.951	ND	65.0	10-133				
1,2-Diphenylhydrazine (as Azobenzene)	0.224	0.0951	"	0.951	ND	23.6	10-144				
2,3,4,6-Tetrachlorophenol	ND	0.190	"	0.951	ND		30-130	Low Bias			
2,4,5-Trichlorophenol	ND	0.0951	"	0.951	ND		10-127	Low Bias			
2,4,6-Trichlorophenol	ND	0.0951	"	0.951	ND		10-132	Low Bias			
2,4-Dichlorophenol	ND	0.0951	"	0.951	ND		10-128	Low Bias			
2,4-Dimethylphenol	0.711	0.0951	"	0.951	ND	74.8	10-137				
2,4-Dinitrophenol	ND	0.190	"	0.951	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.703	0.0951	"	0.951	ND	73.9	16-135				
2,6-Dinitrotoluene	0.725	0.0951	"	0.951	ND	76.2	18-131				
2-Chloronaphthalene	0.579	0.0951	"	0.951	ND	61.0	10-129				
2-Chlorophenol	0.0616	0.0951	"	0.951	ND	6.48	15-116	Low Bias			
2-Methylnaphthalene	0.598	0.0951	"	0.951	ND	63.0	10-147				
2-Methylphenol	0.476	0.0951	"	0.951	ND	50.1	10-136				
2-Nitroaniline	0.663	0.190	"	0.951	ND	69.8	10-137				
2-Nitrophenol	ND	0.0951	"	0.951	ND		10-129	Low Bias			
3- & 4-Methylphenols	0.341	0.0951	"	0.951	ND	35.8	10-123				
3,3-Dichlorobenzidine	0.291	0.0951	"	0.951	ND	30.6	10-155				
3-Nitroaniline	0.557	0.190	"	0.951	ND	58.6	12-133				
4,6-Dinitro-2-methylphenol	ND	0.190	"	0.951	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.592	0.0951	"	0.951	ND	62.2	14-128				
4-Chloro-3-methylphenol	0.340	0.0951	"	0.951	ND	35.8	10-134				
4-Chloroaniline	0.371	0.0951	"	0.951	ND	39.0	10-145				
4-Chlorophenyl phenyl ether	0.590	0.0951	"	0.951	ND	62.1	14-130				
4-Nitroaniline	0.633	0.190	"	0.951	ND	66.6	10-147				
4-Nitrophenol	ND	0.190	"	0.951	ND		10-137	Low Bias			
Acenaphthene	0.535	0.0951	"	0.951	ND	56.3	10-146				
Acenaphthylene	0.516	0.0951	"	0.951	ND	54.3	10-134				
Acetophenone	0.576	0.0951	"	0.951	ND	60.6	10-116				
Aniline	0.240	0.381	"	0.951	ND	25.3	10-123				
Anthracene	0.579	0.0951	"	0.951	ND	60.9	10-142				
Atrazine	0.662	0.0951	"	0.951	ND	69.7	19-115				
Benzaldehyde	0.544	0.0951	"	0.951	ND	57.3	10-125				
Benzo(a)anthracene	0.597	0.0951	"	0.951	ND	62.8	10-158				
Benzo(a)pyrene	0.602	0.0951	"	0.951	ND	63.3	10-180				
Benzo(b)fluoranthene	0.596	0.0951	"	0.951	ND	62.7	10-200				
Benzo(g,h,i)perylene	0.591	0.0951	"	0.951	ND	62.2	10-138				
Benzo(k)fluoranthene	0.563	0.0951	"	0.951	ND	59.3	10-197				
Benzoic acid	ND	0.0951	"	0.960	ND		10-166	Low Bias			
Benzyl alcohol	0.605	0.0951	"	0.951	ND	63.7	12-124				
Benzyl butyl phthalate	0.610	0.0951	"	0.951	ND	64.2	10-154				
Bis(2-chloroethoxy)methane	0.604	0.0951	"	0.951	ND	63.5	10-132				
Bis(2-chloroethyl)ether	0.441	0.0951	"	0.951	ND	46.4	10-119				
Bis(2-chloroisopropyl)ether	0.599	0.0951	"	0.951	ND	63.0	10-139				
Bis(2-ethylhexyl)phthalate	0.576	0.0951	"	0.951	0.0478	55.6	10-167				
Caprolactam	0.676	0.190	"	0.951	ND	71.1	10-132				
Carbazole	0.657	0.0951	"	0.951	ND	69.1	10-167				
Chrysene	0.583	0.0951	"	0.951	ND	61.4	10-156				
Dibenzo(a,h)anthracene	0.594	0.0951	"	0.951	ND	62.5	10-137				
Dibenzofuran	0.527	0.0951	"	0.951	ND	55.4	10-147				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

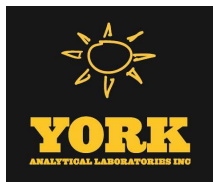
York Analytical Laboratories, Inc.

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

Batch BG81281 - EPA 3550C

Matrix Spike (BG81281-MS1) *Source sample: 18G1148-03 (SP-03_0-1) Prepared: 07/26/2018 Analyzed: 07/27/2018

Diethyl phthalate	0.567	0.0951	mg/kg dry	0.951	ND	59.7	20-120						
Dimethyl phthalate	0.574	0.0951	"	0.951	ND	60.4	18-131						
Di-n-butyl phthalate	0.578	0.0951	"	0.951	ND	60.8	10-137						
Di-n-octyl phthalate	0.658	0.0951	"	0.951	ND	69.2	10-180						
Diphenylamine	0.722	0.190	"	0.951	ND	75.9	40-140						
Fluoranthene	0.706	0.0951	"	0.951	0.115	62.1	10-160						
Fluorene	0.518	0.0951	"	0.951	ND	54.5	10-157						
Hexachlorobenzene	0.589	0.0951	"	0.951	ND	62.0	10-137						
Hexachlorobutadiene	0.598	0.0951	"	0.951	ND	63.0	10-132						
Hexachlorocyclopentadiene	0.224	0.0951	"	0.951	ND	23.5	10-106						
Hexachloroethane	0.496	0.0951	"	0.951	ND	52.2	10-110						
Indeno(1,2,3-cd)pyrene	0.595	0.0951	"	0.951	ND	62.6	10-144						
Isophorone	0.597	0.0951	"	0.951	ND	62.8	10-132						
Naphthalene	0.561	0.0951	"	0.951	ND	59.0	10-141						
Nitrobenzene	0.614	0.0951	"	0.951	ND	64.6	10-131						
N-Nitrosodimethylamine	0.518	0.0951	"	0.951	ND	54.5	10-126						
N-nitroso-di-n-propylamine	0.559	0.0951	"	0.951	ND	58.8	10-125						
N-Nitrosodiphenylamine	0.699	0.0951	"	0.951	ND	73.5	10-177						
Pentachlorophenol	ND	0.0951	"	0.951	ND		10-153			Low Bias			
Phenanthrene	0.627	0.0951	"	0.951	0.0729	58.3	10-148						
Phenol	0.203	0.0951	"	0.951	ND	21.4	10-126						
Pyrene	0.623	0.0951	"	0.951	0.0851	56.6	10-165						
Pyridine	0.544	0.381	"	0.951	ND	57.2	10-83						
Surrogate: 2-Fluorophenol	0.0989		"	1.90		5.20	20-108						
Surrogate: Phenol-d5	0.530		"	1.90		27.9	23-114						
Surrogate: Nitrobenzene-d5	0.697		"	0.951		73.4	22-108						
Surrogate: 2-Fluorobiphenyl	0.661		"	0.951		69.5	21-113						
Surrogate: 2,4,6-Tribromophenol	0.0449		"	1.90		2.36	19-110						
Surrogate: Terphenyl-d14	0.778		"	0.951		81.8	24-116						



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG81281 - EPA 3550C											
Matrix Spike Dup (BG81281-MSD1)	*Source sample: 18G1148-03 (SP-03_0-1)						Prepared: 07/26/2018 Analyzed: 07/27/2018				
1,1-Biphenyl	0.555	0.0951	mg/kg dry	0.951	ND	58.4	10-130		0.819	30	
1,2,4,5-Tetrachlorobenzene	0.618	0.190	"	0.951	ND	65.0	10-133		0.123	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.217	0.0951	"	0.951	ND	22.8	10-144		3.45	30	
2,3,4,6-Tetrachlorophenol	0.0981	0.190	"	0.951	ND	10.3	30-130	Low Bias		30	
2,4,5-Trichlorophenol	ND	0.0951	"	0.951	ND		10-127	Low Bias		30	
2,4,6-Trichlorophenol	ND	0.0951	"	0.951	ND		10-132	Low Bias		30	
2,4-Dichlorophenol	0.0563	0.0951	"	0.951	ND	5.92	10-128	Low Bias		30	
2,4-Dimethylphenol	0.706	0.0951	"	0.951	ND	74.2	10-137		0.751	30	
2,4-Dinitrophenol	ND	0.190	"	0.951	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.684	0.0951	"	0.951	ND	72.0	16-135		2.63	30	
2,6-Dinitrotoluene	0.737	0.0951	"	0.951	ND	77.5	18-131		1.66	30	
2-Chloronaphthalene	0.547	0.0951	"	0.951	ND	57.5	10-129		5.81	30	
2-Chlorophenol	0.0814	0.0951	"	0.951	ND	8.56	15-116	Low Bias	27.7	30	
2-Methylnaphthalene	0.564	0.0951	"	0.951	ND	59.4	10-147		5.89	30	
2-Methylphenol	0.503	0.0951	"	0.951	ND	53.0	10-136		5.59	30	
2-Nitroaniline	0.633	0.190	"	0.951	ND	66.6	10-137		4.57	30	
2-Nitrophenol	ND	0.0951	"	0.951	ND		10-129	Low Bias		30	
3- & 4-Methylphenols	0.399	0.0951	"	0.951	ND	42.0	10-123		15.8	30	
3,3-Dichlorobenzidine	0.297	0.0951	"	0.951	ND	31.2	10-155		1.81	30	
3-Nitroaniline	0.587	0.190	"	0.951	ND	61.8	12-133		5.32	30	
4,6-Dinitro-2-methylphenol	ND	0.190	"	0.951	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.617	0.0951	"	0.951	ND	64.9	14-128		4.15	30	
4-Chloro-3-methylphenol	0.449	0.0951	"	0.951	ND	47.2	10-134		27.6	30	
4-Chloroaniline	0.367	0.0951	"	0.951	ND	38.6	10-145		1.03	30	
4-Chlorophenyl phenyl ether	0.592	0.0951	"	0.951	ND	62.3	14-130		0.386	30	
4-Nitroaniline	0.634	0.190	"	0.951	ND	66.7	10-147		0.240	30	
4-Nitrophenol	ND	0.190	"	0.951	ND		10-137	Low Bias		30	
Acenaphthene	0.526	0.0951	"	0.951	ND	55.4	10-146		1.72	30	
Acenaphthylene	0.516	0.0951	"	0.951	ND	54.2	10-134		0.147	30	
Acetophenone	0.548	0.0951	"	0.951	ND	57.7	10-116		5.00	30	
Aniline	0.242	0.381	"	0.951	ND	25.4	10-123		0.631	30	
Anthracene	0.608	0.0951	"	0.951	ND	63.9	10-142		4.87	30	
Atrazine	0.682	0.0951	"	0.951	ND	71.8	19-115		2.94	30	
Benzaldehyde	0.483	0.0951	"	0.951	ND	50.8	10-125		12.0	30	
Benzo(a)anthracene	0.615	0.0951	"	0.951	ND	64.7	10-158		3.01	30	
Benzo(a)pyrene	0.588	0.0951	"	0.951	ND	61.8	10-180		2.30	30	
Benzo(b)fluoranthene	0.600	0.0951	"	0.951	ND	63.1	10-200		0.636	30	
Benzo(g,h,i)perylene	0.590	0.0951	"	0.951	ND	62.1	10-138		0.129	30	
Benzo(k)fluoranthene	0.559	0.0951	"	0.951	ND	58.8	10-197		0.813	30	
Benzoic acid	ND	0.0951	"	0.960	ND		10-166	Low Bias		30	
Benzyl alcohol	0.579	0.0951	"	0.951	ND	61.0	12-124		4.36	30	
Benzyl butyl phthalate	0.636	0.0951	"	0.951	ND	66.9	10-154		4.15	30	
Bis(2-chloroethoxy)methane	0.546	0.0951	"	0.951	ND	57.4	10-132		10.1	30	
Bis(2-chloroethyl)ether	0.402	0.0951	"	0.951	ND	42.2	10-119		9.39	30	
Bis(2-chloroisopropyl)ether	0.541	0.0951	"	0.951	ND	57.0	10-139		10.1	30	
Bis(2-ethylhexyl)phthalate	0.595	0.0951	"	0.951	0.0478	57.6	10-167		3.24	30	
Caprolactam	0.753	0.190	"	0.951	ND	79.2	10-132		10.8	30	
Carbazole	0.657	0.0951	"	0.951	ND	69.1	10-167		0.00	30	
Chrysene	0.607	0.0951	"	0.951	ND	63.8	10-156		3.96	30	
Dibenzo(a,h)anthracene	0.605	0.0951	"	0.951	ND	63.7	10-137		1.90	30	
Dibenzofuran	0.539	0.0951	"	0.951	ND	56.7	10-147		2.28	30	



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BG81281 - EPA 3550C											
Matrix Spike Dup (BG81281-MSD1)	*Source sample: 18G1148-03 (SP-03_0-1)						Prepared: 07/26/2018 Analyzed: 07/27/2018				
Diethyl phthalate	0.563	0.0951	mg/kg dry	0.951	ND	59.2	20-120		0.808	30	
Dimethyl phthalate	0.565	0.0951	"	0.951	ND	59.4	18-131		1.60	30	
Di-n-butyl phthalate	0.600	0.0951	"	0.951	ND	63.1	10-137		3.74	30	
Di-n-octyl phthalate	0.685	0.0951	"	0.951	ND	72.1	10-180		4.08	30	
Diphenylamine	0.762	0.190	"	0.951	ND	80.2	40-140		5.43	30	
Fluoranthene	0.707	0.0951	"	0.951	0.115	62.3	10-160		0.215	30	
Fluorene	0.535	0.0951	"	0.951	ND	56.3	10-157		3.32	30	
Hexachlorobenzene	0.581	0.0951	"	0.951	ND	61.1	10-137		1.43	30	
Hexachlorobutadiene	0.534	0.0951	"	0.951	ND	56.2	10-132		11.4	30	
Hexachlorocyclopentadiene	0.193	0.0951	"	0.951	ND	20.3	10-106		14.6	30	
Hexachloroethane	0.447	0.0951	"	0.951	ND	47.0	10-110		10.3	30	
Indeno(1,2,3-cd)pyrene	0.589	0.0951	"	0.951	ND	61.9	10-144		1.03	30	
Isophorone	0.567	0.0951	"	0.951	ND	59.6	10-132		5.23	30	
Naphthalene	0.509	0.0951	"	0.951	ND	53.5	10-141		9.81	30	
Nitrobenzene	0.566	0.0951	"	0.951	ND	59.5	10-131		8.12	30	
N-Nitrosodimethylamine	0.440	0.0951	"	0.951	ND	46.2	10-126		16.4	30	
N-nitroso-di-n-propylamine	0.509	0.0951	"	0.951	ND	53.6	10-125		9.25	30	
N-Nitrosodiphenylamine	0.747	0.0951	"	0.951	ND	78.6	10-177		6.63	30	
Pentachlorophenol	ND	0.0951	"	0.951	ND		10-153	Low Bias		30	
Phenanthrene	0.625	0.0951	"	0.951	0.0729	58.1	10-148		0.364	30	
Phenol	0.234	0.0951	"	0.951	ND	24.6	10-126		14.3	30	
Pyrene	0.647	0.0951	"	0.951	0.0851	59.1	10-165		3.83	30	
Pyridine	0.454	0.381	"	0.951	ND	47.8	10-83		18.0	30	
<i>Surrogate: 2-Fluorophenol</i>	<i>0.108</i>		<i>"</i>	<i>1.90</i>		<i>5.68</i>	<i>20-108</i>				
<i>Surrogate: Phenol-d5</i>	<i>0.589</i>		<i>"</i>	<i>1.90</i>		<i>31.0</i>	<i>23-114</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.655</i>		<i>"</i>	<i>0.951</i>		<i>68.9</i>	<i>22-108</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.643</i>		<i>"</i>	<i>0.951</i>		<i>67.7</i>	<i>21-113</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>0.0692</i>		<i>"</i>	<i>1.90</i>		<i>3.64</i>	<i>19-110</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>0.826</i>		<i>"</i>	<i>0.951</i>		<i>86.9</i>	<i>24-116</i>				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BG81413 - EPA 3550C

Blank (BG81413-BLK1)

Prepared: 07/30/2018 Analyzed: 07/31/2018

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.00660	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								

<i>Surrogate: Decachlorobiphenyl</i>	0.0525		"	0.0670		78.4	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0717		"	0.0673		106	30-150				

LCS (BG81413-BS1)

Prepared: 07/30/2018 Analyzed: 07/31/2018

4,4'-DDD	0.0414	0.000330	mg/kg wet	0.0333		124	40-140				
4,4'-DDE	0.0297	0.000330	"	0.0333		89.0	40-140				
4,4'-DDT	0.0388	0.000330	"	0.0333		116	40-140				
Aldrin	0.0397	0.000330	"	0.0333		119	40-140				
alpha-BHC	0.0433	0.000330	"	0.0333		130	40-140				
alpha-Chlordane	0.0368	0.000330	"	0.0333		110	40-140				
beta-BHC	0.0447	0.000330	"	0.0333		134	40-140				
delta-BHC	0.0454	0.000330	"	0.0333		136	40-140				
Dieldrin	0.0390	0.000330	"	0.0333		117	40-140				
Endosulfan I	0.0422	0.000330	"	0.0333		127	40-140				
Endosulfan II	0.0388	0.000330	"	0.0333		116	40-140				
Endosulfan sulfate	0.0385	0.000330	"	0.0333		116	40-140				
Endrin	0.0381	0.000330	"	0.0333		114	40-140				
Endrin aldehyde	0.0448	0.000330	"	0.0333		135	40-140				
Endrin ketone	0.0396	0.000330	"	0.0333		119	40-140				
gamma-BHC (Lindane)	0.0410	0.000330	"	0.0333		123	40-140				
gamma-Chlordane	0.0356	0.000330	"	0.0333		107	40-140				
Heptachlor	0.0370	0.000330	"	0.0333		111	40-140				
Heptachlor epoxide	0.0366	0.000330	"	0.0333		110	40-140				
Methoxychlor	0.0362	0.00165	"	0.0333		109	40-140				

<i>Surrogate: Decachlorobiphenyl</i>	0.0537		"	0.0670		80.2	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0669		"	0.0673		99.3	30-150				



Organochlorine Pesticides by GC/ECD - 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 Y8H0101 - BG81413

Performance Mix (Y8H0101-PEM1)

Prepared & Analyzed: 07/31/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	3.42		"	0.00			0-200				
4,4'-DDT	331		"	200		166	0-200				
Endrin	191		"	100		191	0-200				
Endrin aldehyde	1.47		"	0.00			0-200				
Endrin ketone	4.33		"	0.00			0-200				

Performance Mix (Y8H0101-PEM2)

Prepared & Analyzed: 07/31/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	4.25		"	0.00			0-200				
4,4'-DDT	365		"	200		183	0-200				
Endrin	221		"	100		221	0-200	High Bias			
Endrin aldehyde	2.43		"	0.00			0-200				
Endrin ketone	7.34		"	0.00			0-200				

Batch Y8H0206 - BG81412

Performance Mix (Y8H0206-PEM1)

Prepared & Analyzed: 08/01/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	3.25		"	0.00			0-200				
4,4'-DDT	264		"	200		132	0-200				
Endrin	162		"	100		162	0-200				
Endrin aldehyde	2.84		"	0.00			0-200				
Endrin ketone	5.42		"	0.00			0-200				

Performance Mix (Y8H0206-PEM2)

Prepared & Analyzed: 08/01/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	4.33		"	0.00			0-200				
4,4'-DDT	354		"	200		177	0-200				
Endrin	219		"	100		219	0-200	High Bias			
Endrin aldehyde	3.10		"	0.00			0-200				
Endrin ketone	8.42		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - 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 BG81413 - EPA 3550C

Blank (BG81413-BLK2)

Prepared: 07/30/2018 Analyzed: 07/31/2018

Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								

<i>Surrogate: Tetrachloro-m-xylene</i>	0.0627		"	0.0673		93.1	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0550		"	0.0670		82.1	30-140				

LCS (BG81413-BS2)

Prepared: 07/30/2018 Analyzed: 07/31/2018

Aroclor 1016	0.337	0.0167	mg/kg wet	0.333		101	40-130				
Aroclor 1260	0.328	0.0167	"	0.333		98.4	40-130				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0587		"	0.0673		87.1	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0520		"	0.0670		77.6	30-140				



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

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

Batch BG81321 - EPA 3050B

Blank (BG81321-BLK1)

Prepared: 07/27/2018 Analyzed: 07/30/2018

Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.50	"								

Reference (BG81321-SRM1)

Prepared: 07/27/2018 Analyzed: 07/30/2018

Aluminum	6540	5.00	mg/kg wet	8040	81.4	39.4-160.5
Antimony	79.9	0.500	"	91.4	87.5	25.1-275.7
Arsenic	152	1.00	"	146	104	69.9-132.9
Barium	95.4	1.00	"	102	93.5	71.5-136.3
Beryllium	141	0.100	"	134	105	75.4-138.1
Cadmium	64.6	0.300	"	63.2	102	73.3-141.5
Calcium	6040	5.00	"	5930	102	73.7-136.1
Chromium	89.3	0.500	"	89.3	100	69.1-143.3
Cobalt	128	0.500	"	119	107	74.6-142
Copper	64.7	0.500	"	60.8	106	72.7-141.6
Iron	10800	2.00	"	14400	75.1	35.6-163.9
Lead	101	0.500	"	98.5	102	70.8-137.1
Magnesium	2530	5.00	"	2580	98.0	63.6-136.1
Manganese	384	0.500	"	370	104	75.7-134.3
Nickel	76.3	0.500	"	66.6	115	70.7-146.3
Potassium	2120	5.00	"	2340	90.4	59.8-140.2
Selenium	117	1.00	"	136	86.3	67.1-136.8
Silver	41.2	0.500	"	48.9	84.3	66.5-139.5
Sodium	361	10.0	"	318	114	40.6-159.8
Thallium	140	1.00	"	138	102	68-136.2
Vanadium	62.8	1.00	"	69.7	90.1	58.9-141.8
Zinc	183	1.50	"	177	103	69.5-131.1



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 BG81422 - EPA 7473 soil											
Blank (BG81422-BLK1)										Prepared & Analyzed: 07/30/2018	
Mercury	ND	0.0300	mg/kg wet								
Reference (BG81422-SRM1)										Prepared & Analyzed: 07/30/2018	
Mercury	11.074		mg/kg	13.8		80.2	57.1-143.5				



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 BG81303 - Analysis Preparation Soil											
Blank (BG81303-BLK1)										Prepared & Analyzed: 07/27/2018	
Cyanide, total	ND	0.500	mg/kg wet								
Reference (BG81303-SRM1)										Prepared & Analyzed: 07/27/2018	
Cyanide, total	51.0		ug/mL	41.4		123	34.3-167				
Batch BG81393 - EPA SW846-3060											
Blank (BG81393-BLK1)										Prepared & Analyzed: 07/30/2018	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BG81393-SRM1)										Prepared & Analyzed: 07/30/2018	
Chromium, Hexavalent	53.9		mg/L	76.9		70.1	20.3-212				
Batch BG81397 - Analysis Preparation Soil											
Blank (BG81397-BLK1)										Prepared & Analyzed: 07/30/2018	
Cyanide, total	ND	0.500	mg/kg wet								
Reference (BG81397-SRM1)										Prepared & Analyzed: 07/30/2018	
Cyanide, total	54.0		ug/mL	41.4		130	34.3-167				
Batch BH80055 - EPA SW846-3060											
Blank (BH80055-BLK1)										Prepared & Analyzed: 08/01/2018	
Chromium, Hexavalent	ND	0.500	mg/kg wet								



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 BH80055 - EPA SW846-3060											
Reference (BH80055-SRM1)							Prepared & Analyzed: 08/01/2018				
Chromium, Hexavalent	29.4		mg/L	50.0		58.7	0-200				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18G1148-01	SP-01_0-1	40mL Vial with Stir Bar-Cool 4° C
18G1148-02	SP-02_0-1	40mL Vial with Stir Bar-Cool 4° C
18G1148-03	SP-03_0-1	40mL Vial with Stir Bar-Cool 4° C
18G1148-04	SP-04_0-1	40mL Vial with Stir Bar-Cool 4° C
18G1148-05	SP-05_0-1	40mL Vial with Stir Bar-Cool 4° C
18G1148-06	SP-06_0-1	40mL Vial with Stir Bar-Cool 4° C
18G1148-07	SP-07_1-2	40mL Vial with Stir Bar-Cool 4° C
18G1148-08	SP-08_0-1	40mL Vial with Stir Bar-Cool 4° C
18G1148-09	SP-09_1-2	40mL Vial with Stir Bar-Cool 4° C
18G1148-10	SP-10_1-2	40mL Vial with Stir Bar-Cool 4° C
18G1148-11	TB-01 072617	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
S-08	The recovery of this surrogate was outside of QC limits.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-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.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
GC-SCu	This surrogate recovered below control limits due to extract clean-up required. The alternate surrogate, Decachlorobiphenyl is within control limits.
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.
A-01	Sample is a concrete type matrix

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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Field Chain-of-Custody Record

YORK Project No.
 18G1148

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

Page 1 of 2

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: LANGRAN	Company: SAME	Company: SAME	Company: SAME	Company: SAME	Company: SAME	170502901	RUSH - Next Day	RUSH - Next Day	Standard (5-7 Day) <input checked="" type="checkbox"/>
Address: 360 W. 31ST ST. 8TH FL, NY, NY 10001	Address: SAME	Address: SAME	Address: SAME	Address: SAME	Address: SAME		RUSH - Two Day	RUSH - Two Day	
Phone: 212-479-5452	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME	Phone: SAME		RUSH - Three Day	RUSH - Three Day	
Contact: JULIA LEUNG	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME	Contact: SAME		RUSH - Four Day	RUSH - Four Day	
E-mail: JLEUNG@LANGRAN.COM	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME	E-mail: SAME		YOUR PO#: 320 W. FORDHAM RD.		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)</p>									
Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	Analysis Requested	Container Description	YORK Reg. Comp.		
SP-01-0-1	S	S - soil / solid	New York	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)		
SP-02-0-1	S	GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQUS (Standard)			
SP-03-0-1	S	DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQUIS			
SP-04-0-1	S	WW - wastewater	Pennsylvania	NY ASP B Package	NJDEP SRP HazSite	NJDEP SRP HazSite			
SP-05-0-1	S	O - Oil / Other	Other		NJKQCP	Other:			
SP-06-0-1	S								
SP-07-1-2	S								
SP-08-0-1	S								
SP-09-1-2	S								
SP-10-1-2	S								
<p>Comments: 24 HR TAT SVOCS</p>									
Samples Relinquished by / Company		Date/Time		Samples Relinquished by / Company		Date/Time		Special Instruction	
[Signature]		7/26/18 @ 16:10		[Signature]		7/26/18		Field Filtered Lab to Filter	
Received by / Company		Date/Time		Samples Received by / Company		Date/Time			
[Signature]		7/26/18 6:07		[Signature]		7/26/18			
Samples Relinquished by / Company		Date/Time		Samples Received in LAB by		Date/Time		Temp. Received at Lab	
[Signature]		7/26/18 6:07		TC Fahl		7/26/18 1925		2.4	



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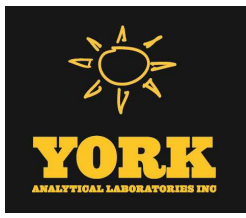
Field Chain-of-Custody Record

YORK Project No.
18G1148

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 **2** of **2**

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	LAMMAN	Company:	SAME	Company:	SAME	YOUR Project Number	170502901	RUSH - Next Day	
Address:	360 W. 31ST ST. 8TH FL NY NY 10001	Address:		Address:		YOUR Project Name	320 W. FORDHAM RD.	RUSH - Two Day	
Phone:	212-479-5452	Phone:		Phone:		YOUR PO#:		RUSH - Three Day	
Contact:	JULIA LELAND	Contact:		Contact:				RUSH - Four Day	
E-mail:	JLELAND@LAMMAN.COM	E-mail:		E-mail:				Standard (5-7 Day)	<input checked="" type="checkbox"/>
<p>Samples Collected by: (print your name above and sign below)</p> <p><i>JULIA LELAND</i></p>									
Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.			
S - soil / solid		New York		Summary Report		Compared to the following Regulation(s): (please fill in)			
GW - groundwater		New Jersey		QA Report					
DW - drinking water		Connecticut		NY ASP A Package					
WW - wastewater		Pennsylvania		NJDEP Reduced Deliverables					
O - Oil ; Other		Other		NY ASP B Package					
Sample Matrix		Date/Time Sampled		Analysis Requested		Container Description			
OTHER				TCU VOCs					
Sample Identification		Date/Time		Preservation: (check all that apply)		Special Instruction			
TB01-0702				HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___		Field Filtered Lab to Filter ___			
TB-01072618				Ascorbic Acid ___ Other: ___		Date/Time 7/20/18			
Comments:		Samples Relinquished by / Company		Date/Time		Date/Time			
TRIP BLANK		Johanna		7/20/18 16:00		7/20/18			
		Samples Relinquished by / Company		Date/Time		Date/Time			
		John		7/20/18 6:07					
		Samples Relinquished by / Company		Date/Time		Temp. Received at Lab			
		John		7/20/18 19:25		2.4			
		Samples Relinquished by / Company		Date/Time		Degress C			
		John		7/20/18 19:25		2.4			



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Julia Leung

Report Date: 09/07/2018

Client Project ID: 170502901

York Project (SDG) No.: 18H1343



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: 09/07/2018
Client Project ID: 170502901
York Project (SDG) No.: 18H1343

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Julia Leung

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 29, 2018 and listed below. The project was identified as your project: **170502901**.

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>
18H1343-01	SP20_0-2	Soil	08/29/2018	08/29/2018
18H1343-02	SP20_10-11	Soil	08/29/2018	08/29/2018
18H1343-03	SP19_0-2	Soil	08/29/2018	08/29/2018
18H1343-04	SP19_12-13	Soil	08/29/2018	08/29/2018
18H1343-05	SP18_0-2	Soil	08/29/2018	08/29/2018
18H1343-06	SP18_8-9	Soil	08/29/2018	08/29/2018
18H1343-07	TB02_082918	Water	08/29/2018	08/29/2018

General Notes for York Project (SDG) No.: 18H1343

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: 09/07/2018





Sample Information

Client Sample ID: SP20_0-2

York Sample ID: 18H1343-01

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:00 am	<u>Date Received</u> 08/29/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 15:21	09/05/2018 18:14	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 15:21	09/05/2018 18:14	RDS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS



Sample Information

Client Sample ID: SP20_0-2

York Sample ID: 18H1343-01

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:00 am	<u>Date Received</u> 08/29/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
67-64-1	Acetone	0.0094	SCAL-E, J	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS



Sample Information

Client Sample ID: SP20_0-2

York Sample ID: 18H1343-01

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:00 am	<u>Date Received</u> 08/29/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
75-09-2	Methylene chloride	0.011		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
104-51-8	n-Butylbenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
98-06-6	tert-Butylbenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS



Sample Information

Client Sample ID: SP20_0-2

York Sample ID: 18H1343-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 11:00 am

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:14	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0085	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 15:21	09/05/2018 18:14	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	110 %			77-125						
2037-26-5	Surrogate: Toluene-d8	99.2 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	121 %	IS-LO		76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW



Sample Information

Client Sample ID: SP20_0-2

York Sample ID: 18H1343-01

York Project (SDG) No.

Client Project ID

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Date Received

18H1343

170502901

Soil

August 29, 2018 11:00 am

08/29/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
83-32-9	Acenaphthene	0.0470	J	mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
208-96-8	Acenaphthylene	0.136		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
62-53-3	Aniline	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
120-12-7	Anthracene	0.310		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
92-87-5	Benzidine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
56-55-3	Benzo(a)anthracene	0.959		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW



Sample Information

Client Sample ID: SP20_0-2

York Sample ID: 18H1343-01

York Project (SDG) No.

Client Project ID

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170502901

Soil

August 29, 2018 11:00 am

08/29/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.960		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
205-99-2	Benzo(b)fluoranthene	0.816		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
191-24-2	Benzo(g,h,i)perylene	0.607		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
207-08-9	Benzo(k)fluoranthene	0.864		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
85-68-7	Benzyl butyl phthalate	0.502		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
117-81-7	Bis(2-ethylhexyl)phthalate	0.0604	J	mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
86-74-8	Carbazole	0.0667	J	mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
218-01-9	Chrysene	0.921		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
53-70-3	Dibenzo(a,h)anthracene	0.130		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
206-44-0	Fluoranthene	1.65		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW



Sample Information

Client Sample ID: SP20_0-2

York Sample ID: 18H1343-01

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:00 am	<u>Date Received</u> 08/29/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.0786	J	mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.661		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
85-01-8	Phenanthrene	0.936		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
108-95-2	Phenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
129-00-0	Pyrene	1.68		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
110-86-1	Pyridine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 21:57	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	40.6 %	20-108								
4165-62-2	Surrogate: Phenol-d5	45.8 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	39.5 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	46.7 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	48.5 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	63.6 %	24-116								



Sample Information

Client Sample ID: SP20_0-2

York Sample ID: 18H1343-01

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:00 am	<u>Date Received</u> 08/29/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.00508		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
72-55-9	4,4'-DDE	0.00374		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
50-29-3	4,4'-DDT	0.00422		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
5103-71-9	alpha-Chlordane	0.0191		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/04/2018 13:29	09/06/2018 12:49	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
57-74-9	Chlordane, total	0.118		mg/kg dry	0.0346	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
60-57-1	Dieldrin	0.00424		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/04/2018 13:29	09/06/2018 12:49	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
5566-34-7	gamma-Chlordane	0.0112		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/04/2018 13:29	09/06/2018 12:49	LAB
76-44-8	Heptachlor	0.00308		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00866	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB



Sample Information

Client Sample ID: SP20_0-2

York Sample ID: 18H1343-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 11:00 am

08/29/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0876	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 12:49	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	54.3 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	39.1 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 17:34	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 17:34	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 17:34	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 17:34	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 17:34	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 17:34	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 17:34	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications:	09/04/2018 13:29	09/05/2018 17:34	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	54.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	39.3 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5960		mg/kg dry	5.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-36-0	Antimony	ND		mg/kg dry	0.527	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-38-2	Arsenic	4.37		mg/kg dry	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML





Sample Information

Client Sample ID: SP20_0-2

York Sample ID: 18H1343-01

York Project (SDG) No.

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Soil

August 29, 2018 11:00 am

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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
7440-39-3	Barium	61.5		mg/kg dry	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.105	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.316	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-70-2	Calcium	38800		mg/kg dry	5.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-47-3	Chromium	12.9		mg/kg dry	0.527	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-48-4	Cobalt	5.25		mg/kg dry	0.527	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-50-8	Copper	39.3		mg/kg dry	0.527	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7439-89-6	Iron	9600		mg/kg dry	2.11	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7439-92-1	Lead	49.0		mg/kg dry	0.527	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7439-95-4	Magnesium	8440		mg/kg dry	5.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7439-96-5	Manganese	188		mg/kg dry	0.527	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-02-0	Nickel	11.3		mg/kg dry	0.527	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-09-7	Potassium	1210		mg/kg dry	5.27	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7782-49-2	Selenium	ND		mg/kg dry	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-22-4	Silver	ND		mg/kg dry	0.527	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-23-5	Sodium	120		mg/kg dry	10.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-28-0	Thallium	ND		mg/kg dry	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-62-2	Vanadium	19.0		mg/kg dry	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	KML
7440-66-6	Zinc	59.1		mg/kg dry	1.58	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:33	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE		RICHMOND HILL, NY 11418	
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166		ClientServices@yorklab.com	



Sample Information

Client Sample ID: SP20_0-2

York Sample ID: 18H1343-01

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:00 am	<u>Date Received</u> 08/29/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0872		mg/kg dry	0.0316	1	EPA 7473	08/31/2018 09:34	08/31/2018 18:14	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	95.0		%	0.100	1	SM 2540G	09/06/2018 09:38	09/06/2018 16:13	TAJ
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.527	1	EPA 7196A	09/04/2018 08:00	09/04/2018 16:46	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	12.9		mg/kg	0.500	1	Calculation	09/06/2018 16:59	09/06/2018 18:06	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.527	1	EPA 9014/9010C	08/30/2018 11:16	08/30/2018 16:29	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: SP20_10-11

York Sample ID: 18H1343-02

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:10 am	<u>Date Received</u> 08/29/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 15:21	09/05/2018 18:41	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 15:21	09/05/2018 18:41	RDS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS



Sample Information

Client Sample ID: SP20_10-11

York Sample ID: 18H1343-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 11:10 am

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
67-64-1	Acetone	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS



Sample Information

Client Sample ID: SP20_10-11

York Sample ID: 18H1343-02

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:10 am	<u>Date Received</u> 08/29/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
104-51-8	n-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
98-06-6	tert-Butylbenzene	ND	IS-LO	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS



Sample Information

Client Sample ID: SP20_10-11

York Sample ID: 18H1343-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 11:10 am

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 18:41	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0081	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 15:21	09/05/2018 18:41	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	109 %			77-125						
2037-26-5	Surrogate: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	107 %	IS-LO		76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW



Sample Information

Client Sample ID: SP20_10-11

York Sample ID: 18H1343-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 11:10 am

08/29/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
83-32-9	Acenaphthene	0.0928	J	mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
62-53-3	Aniline	ND		mg/kg dry	0.202	0.404	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
120-12-7	Anthracene	0.218		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
92-87-5	Benzidine	ND		mg/kg dry	0.202	0.404	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
56-55-3	Benzo(a)anthracene	0.616		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW



Sample Information

Client Sample ID: SP20_10-11

York Sample ID: 18H1343-02

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:10 am	<u>Date Received</u> 08/29/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.567		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
205-99-2	Benzo(b)fluoranthene	0.483		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
191-24-2	Benzo(g,h,i)perylene	0.358		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
207-08-9	Benzo(k)fluoranthene	0.456		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
86-74-8	Carbazole	0.119		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
218-01-9	Chrysene	0.625		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
53-70-3	Dibenzo(a,h)anthracene	0.0783	J	mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.101	0.202	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
206-44-0	Fluoranthene	1.32		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW



Sample Information

Client Sample ID: SP20_10-11

York Sample ID: 18H1343-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 11:10 am

08/29/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.0855	J	mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.390		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
85-01-8	Phenanthrene	1.10		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
108-95-2	Phenol	ND		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
129-00-0	Pyrene	1.39		mg/kg dry	0.0506	0.101	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW
110-86-1	Pyridine	ND		mg/kg dry	0.202	0.404	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:28	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	68.7 %	20-108
4165-62-2	Surrogate: Phenol-d5	69.0 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	64.4 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	58.2 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	70.3 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	77.4 %	24-116



Sample Information

Client Sample ID: SP20_10-11

York Sample ID: 18H1343-02

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:10 am	<u>Date Received</u> 08/29/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/04/2018 13:29	09/05/2018 16:05	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0398	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/04/2018 13:29	09/05/2018 16:05	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/04/2018 13:29	09/05/2018 16:05	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00996	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB



Sample Information

Client Sample ID: SP20_10-11

York Sample ID: 18H1343-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 11:10 am

08/29/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.101	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:05	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	74.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	70.0 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 17:48	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 17:48	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 17:48	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 17:48	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 17:48	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 17:48	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 17:48	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications:	09/04/2018 13:29	09/05/2018 17:48	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	74.3 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	41.3 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7140		mg/kg dry	6.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-36-0	Antimony	2.30		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-38-2	Arsenic	13.9		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML



Sample Information

Client Sample ID: SP20_10-11

York Sample ID: 18H1343-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 11:10 am

08/29/2018

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
7440-39-3	Barium	159		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-41-7	Beryllium	0.525		mg/kg dry	0.121	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-43-9	Cadmium	1.90		mg/kg dry	0.364	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-70-2	Calcium	18300		mg/kg dry	6.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-47-3	Chromium	18.5		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-48-4	Cobalt	5.56		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-50-8	Copper	243		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7439-89-6	Iron	25400		mg/kg dry	2.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7439-92-1	Lead	488		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7439-95-4	Magnesium	1000		mg/kg dry	6.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7439-96-5	Manganese	271		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-02-0	Nickel	56.7		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-09-7	Potassium	811		mg/kg dry	6.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7782-49-2	Selenium	ND		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-22-4	Silver	ND		mg/kg dry	0.607	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-23-5	Sodium	737		mg/kg dry	12.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-28-0	Thallium	ND		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-62-2	Vanadium	20.3		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	KML
7440-66-6	Zinc	636		mg/kg dry	1.82	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:35	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP20_10-11

York Sample ID: 18H1343-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 11:10 am

08/29/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.111		mg/kg dry	0.0364	1	EPA 7473	08/31/2018 09:34	08/31/2018 18:23	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.4		%	0.100	1	SM 2540G	09/06/2018 10:00	09/06/2018 16:20	TAJ
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.607	1	EPA 7196A	09/04/2018 08:00	09/04/2018 16:46	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	18.5		mg/kg	0.500	1	Calculation	09/06/2018 16:59	09/06/2018 18:06	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	1.46		mg/kg dry	0.607	1	EPA 9014/9010C	08/30/2018 11:16	08/30/2018 16:29	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: SP19_0-2

York Sample ID: 18H1343-03

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:55 am	<u>Date Received</u> 08/29/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 19:13	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 19:13	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS



Sample Information

Client Sample ID: SP19_0-2

York Sample ID: 18H1343-03

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:55 am	<u>Date Received</u> 08/29/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
67-64-1	Acetone	0.0058	J, CCV-E	mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS



Sample Information

Client Sample ID: SP19_0-2

York Sample ID: 18H1343-03

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:55 am	<u>Date Received</u> 08/29/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS



Sample Information

Client Sample ID: SP19_0-2

York Sample ID: 18H1343-03

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Soil

August 29, 2018 11:55 am

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 19:13	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 19:13	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	116 %			77-125						
2037-26-5	Surrogate: Toluene-d8	115 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	106 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW



Sample Information

Client Sample ID: SP19_0-2

York Sample ID: 18H1343-03

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Soil

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08/29/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
208-96-8	Acenaphthylene	0.114		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
62-53-3	Aniline	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
120-12-7	Anthracene	0.259		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
56-55-3	Benzo(a)anthracene	0.892		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW



Sample Information

Client Sample ID: SP19_0-2

York Sample ID: 18H1343-03

York Project (SDG) No.

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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.907		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
205-99-2	Benzo(b)fluoranthene	0.760		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
191-24-2	Benzo(g,h,i)perylene	0.662		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
207-08-9	Benzo(k)fluoranthene	0.792		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
218-01-9	Chrysene	0.833		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
53-70-3	Dibenzo(a,h)anthracene	0.220		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0894	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
206-44-0	Fluoranthene	1.37		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW



Sample Information

Client Sample ID: SP19_0-2

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08/29/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.682		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
85-01-8	Phenanthrene	0.474		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
108-95-2	Phenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
129-00-0	Pyrene	1.39		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 22:59	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	36.8 %	20-108
4165-62-2	Surrogate: Phenol-d5	47.4 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	44.1 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	48.2 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	33.8 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	69.9 %	24-116



Sample Information

Client Sample ID: SP19_0-2

York Sample ID: 18H1343-03

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:55 am	<u>Date Received</u> 08/29/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.00233		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
72-55-9	4,4'-DDE	0.00246		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
5103-71-9	alpha-Chlordane	0.0107		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/04/2018 13:29	09/06/2018 13:04	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
57-74-9	Chlordane, total	0.0655		mg/kg dry	0.0353	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
60-57-1	Dieldrin	0.00206		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/04/2018 13:29	09/06/2018 13:04	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
7421-93-4	Endrin aldehyde	0.00327		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
5566-34-7	gamma-Chlordane	0.00768		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/04/2018 13:29	09/06/2018 13:04	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00883	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB



Sample Information

Client Sample ID: SP19_0-2

York Sample ID: 18H1343-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 11:55 am

08/29/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0894	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:04	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	61.0 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	40.9 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:01	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:01	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:01	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:01	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:01	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:01	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:01	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications:	09/04/2018 13:29	09/05/2018 18:01	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	61.4 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	49.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6370		mg/kg dry	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-36-0	Antimony	ND		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-38-2	Arsenic	3.41		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML



Sample Information

Client Sample ID: SP19_0-2

York Sample ID: 18H1343-03

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:55 am	<u>Date Received</u> 08/29/2018
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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
7440-39-3	Barium	67.0		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-43-9	Cadmium	0.430		mg/kg dry	0.323	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-70-2	Calcium	40700		mg/kg dry	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-47-3	Chromium	14.0		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-48-4	Cobalt	5.56		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-50-8	Copper	26.7		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7439-89-6	Iron	9750		mg/kg dry	2.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7439-92-1	Lead	38.6		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7439-95-4	Magnesium	9420		mg/kg dry	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7439-96-5	Manganese	215		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-02-0	Nickel	12.1		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-09-7	Potassium	1280		mg/kg dry	5.38	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7782-49-2	Selenium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-22-4	Silver	ND		mg/kg dry	0.538	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-23-5	Sodium	154		mg/kg dry	10.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-28-0	Thallium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-62-2	Vanadium	18.7		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	KML
7440-66-6	Zinc	55.6		mg/kg dry	1.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:37	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE		RICHMOND HILL, NY 11418	
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166		ClientServices@yorklab.com	



Sample Information

Client Sample ID: SP19_0-2

York Sample ID: 18H1343-03

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 11:55 am	<u>Date Received</u> 08/29/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0754		mg/kg dry	0.0323	1	EPA 7473	08/31/2018 09:34	08/31/2018 18:32	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.0		%	0.100	1	SM 2540G	09/06/2018 10:00	09/06/2018 16:20	TAJ
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.538	1	EPA 7196A	09/04/2018 08:00	09/04/2018 16:46	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	14.0		mg/kg	0.500	1	Calculation	09/06/2018 16:59	09/06/2018 18:06	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.538	1	EPA 9014/9010C	08/30/2018 11:16	08/30/2018 16:29	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: SP19_12-13

York Sample ID: 18H1343-04

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 12:05 pm	<u>Date Received</u> 08/29/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 15:21	09/05/2018 19:08	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
87-61-6	1,2,3-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
96-18-4	1,2,3-Trichloropropane	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 15:21	09/05/2018 19:08	RDS
120-82-1	1,2,4-Trichlorobenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
95-63-6	1,2,4-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
95-50-1	1,2-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
108-67-8	1,3,5-Trimethylbenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
541-73-1	1,3-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
106-46-7	1,4-Dichlorobenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS



Sample Information

Client Sample ID: SP19_12-13

York Sample ID: 18H1343-04

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 12:05 pm

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
67-64-1	Acetone	0.026	SCAL-E	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS



Sample Information

Client Sample ID: SP19_12-13

York Sample ID: 18H1343-04

York Project (SDG) No.

Client Project ID

Matrix

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18H1343

170502901

Soil

August 29, 2018 12:05 pm

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
87-68-3	Hexachlorobutadiene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
98-82-8	Isopropylbenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
104-51-8	n-Butylbenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
103-65-1	n-Propylbenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
99-87-6	p-Isopropyltoluene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
135-98-8	sec-Butylbenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
98-06-6	tert-Butylbenzene	ND	IS-LO	mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS



Sample Information

Client Sample ID: SP19_12-13

York Sample ID: 18H1343-04

York Project (SDG) No.

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18H1343

170502901

Soil

August 29, 2018 12:05 pm

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:08	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 15:21	09/05/2018 19:08	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	108 %			77-125						
2037-26-5	Surrogate: Toluene-d8	97.2 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	103 %	IS-LO		76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW



Sample Information

Client Sample ID: SP19_12-13

York Sample ID: 18H1343-04

York Project (SDG) No.

Client Project ID

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18H1343

170502901

Soil

August 29, 2018 12:05 pm

08/29/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
62-53-3	Aniline	ND		mg/kg dry	0.217	0.435	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
92-87-5	Benzidine	ND		mg/kg dry	0.217	0.435	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW



Sample Information

Client Sample ID: SP19_12-13

York Sample ID: 18H1343-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 12:05 pm

08/29/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.109	0.217	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW



Sample Information

Client Sample ID: SP19_12-13

York Sample ID: 18H1343-04

York Project (SDG) No.

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Matrix

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18H1343

170502901

Soil

August 29, 2018 12:05 pm

08/29/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
108-95-2	Phenol	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0544	0.109	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW
110-86-1	Pyridine	ND		mg/kg dry	0.217	0.435	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/05/2018 23:31	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	76.3 %	20-108
4165-62-2	Surrogate: Phenol-d5	72.6 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	65.1 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	58.2 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	75.9 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	74.4 %	24-116





Sample Information

Client Sample ID: SP19_12-13

York Sample ID: 18H1343-04

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 12:05 pm	<u>Date Received</u> 08/29/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/04/2018 13:29	09/05/2018 16:20	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0429	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/04/2018 13:29	09/05/2018 16:20	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/04/2018 13:29	09/05/2018 16:20	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00214	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.0107	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB



Sample Information

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170502901

Soil

August 29, 2018 12:05 pm

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.109	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:20	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	52.3 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	56.0 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:15	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:15	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:15	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:15	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:15	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:15	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:15	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0217	1	EPA 8082A Certifications:	09/04/2018 13:29	09/05/2018 18:15	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	51.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	25.4 %	S-GC	30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6770		mg/kg dry	6.50	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-36-0	Antimony	ND		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-38-2	Arsenic	1.37		mg/kg dry	1.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML





Sample Information

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Soil

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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
7440-39-3	Barium	22.4		mg/kg dry	1.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-41-7	Beryllium	0.198		mg/kg dry	0.130	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.390	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-70-2	Calcium	1850		mg/kg dry	6.50	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-47-3	Chromium	19.1		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-48-4	Cobalt	5.44		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-50-8	Copper	9.98		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7439-89-6	Iron	10300		mg/kg dry	2.60	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7439-92-1	Lead	30.7		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7439-95-4	Magnesium	2840		mg/kg dry	6.50	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7439-96-5	Manganese	113		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-02-0	Nickel	14.5		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-09-7	Potassium	827		mg/kg dry	6.50	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7782-49-2	Selenium	ND		mg/kg dry	1.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-22-4	Silver	ND		mg/kg dry	0.650	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-23-5	Sodium	1240		mg/kg dry	13.0	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-28-0	Thallium	ND		mg/kg dry	1.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-62-2	Vanadium	19.3		mg/kg dry	1.30	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	KML
7440-66-6	Zinc	33.1		mg/kg dry	1.95	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:39	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE		RICHMOND HILL, NY 11418	
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166		ClientServices@yorklab.com	



Sample Information

Client Sample ID: SP19_12-13

York Sample ID: 18H1343-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 12:05 pm

08/29/2018

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	0.0390	1	EPA 7473	08/31/2018 09:34	08/31/2018 18:41	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	76.9		%	0.100	1	SM 2540G	09/06/2018 10:00	09/06/2018 16:20	TAJ
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.650	1	EPA 7196A	09/04/2018 08:00	09/04/2018 16:46	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	19.1		mg/kg	0.500	1	Calculation	09/06/2018 16:59	09/06/2018 18:06	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.650	1	EPA 9014/9010C	08/30/2018 11:16	08/30/2018 16:29	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP18_0-2

York Sample ID: 18H1343-05

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 1:05 pm	<u>Date Received</u> 08/29/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-Jar

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		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 15:21	09/05/2018 19:35	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 15:21	09/05/2018 19:35	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.056	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
78-93-3	2-Butanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS



Sample Information

Client Sample ID: SP18_0-2

York Sample ID: 18H1343-05

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 1:05 pm	<u>Date Received</u> 08/29/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-Jar

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		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
67-64-1	Acetone	0.026	SCAL-E	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS



Sample Information

Client Sample ID: SP18_0-2

York Sample ID: 18H1343-05

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 1:05 pm	<u>Date Received</u> 08/29/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-Jar

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		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
75-09-2	Methylene chloride	0.0062	J	mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0056	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS



Sample Information

Client Sample ID: SP18_0-2

York Sample ID: 18H1343-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 1:05 pm

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes: VOA-Jar

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		mg/kg dry	0.0028	0.0056	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 15:21	09/05/2018 19:35	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0084	0.017	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 15:21	09/05/2018 19:35	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %			77-125						
2037-26-5	Surrogate: Toluene-d8	95.8 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	99.7 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW



Sample Information

Client Sample ID: SP18_0-2

York Sample ID: 18H1343-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 1:05 pm

08/29/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
62-53-3	Aniline	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
56-55-3	Benzo(a)anthracene	0.0871	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW



Sample Information

Client Sample ID: SP18_0-2

York Sample ID: 18H1343-05

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 1:05 pm	<u>Date Received</u> 08/29/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.0871	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
205-99-2	Benzo(b)fluoranthene	0.0803	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
207-08-9	Benzo(k)fluoranthene	0.0796	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
218-01-9	Chrysene	0.0916	J	mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0939	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
206-44-0	Fluoranthene	0.110		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW



Sample Information

Client Sample ID: SP18_0-2

York Sample ID: 18H1343-05

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 1:05 pm	<u>Date Received</u> 08/29/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
108-95-2	Phenol	ND		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
129-00-0	Pyrene	0.134		mg/kg dry	0.0471	0.0939	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.376	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:02	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	45.8 %	20-108
4165-62-2	Surrogate: Phenol-d5	54.6 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	51.0 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	53.9 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	24.6 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	72.9 %	24-116



Sample Information

Client Sample ID: SP18_0-2

York Sample ID: 18H1343-05

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 1:05 pm	<u>Date Received</u> 08/29/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/04/2018 13:29	09/06/2018 13:19	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0371	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/04/2018 13:29	09/06/2018 13:19	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
7421-93-4	Endrin aldehyde	0.00313		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/04/2018 13:29	09/06/2018 13:19	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00186	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00929	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB



Sample Information

Client Sample ID: SP18_0-2

York Sample ID: 18H1343-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 1:05 pm

08/29/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0940	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/06/2018 13:19	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	68.9 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	39.5 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:28	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:28	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:28	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:28	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:28	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:28	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:28	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0188	1	EPA 8082A Certifications:	09/04/2018 13:29	09/05/2018 18:28	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	65.8 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	44.3 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10900		mg/kg dry	5.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-36-0	Antimony	1.63		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-38-2	Arsenic	3.53		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML



Sample Information

Client Sample ID: SP18_0-2

York Sample ID: 18H1343-05

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 1:05 pm	<u>Date Received</u> 08/29/2018
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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
7440-39-3	Barium	96.1		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.113	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-43-9	Cadmium	0.590		mg/kg dry	0.338	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-70-2	Calcium	32500		mg/kg dry	5.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-47-3	Chromium	34.4		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-48-4	Cobalt	8.66		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-50-8	Copper	31.1		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7439-89-6	Iron	15400		mg/kg dry	2.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7439-92-1	Lead	49.8		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7439-95-4	Magnesium	10000		mg/kg dry	5.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7439-96-5	Manganese	290		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-02-0	Nickel	21.0		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-09-7	Potassium	4720		mg/kg dry	5.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7782-49-2	Selenium	ND		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-22-4	Silver	ND		mg/kg dry	0.563	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-23-5	Sodium	217		mg/kg dry	11.3	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-28-0	Thallium	ND		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-62-2	Vanadium	38.9		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	KML
7440-66-6	Zinc	67.4		mg/kg dry	1.69	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:41	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE		RICHMOND HILL, NY 11418	
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166		ClientServices@yorklab.com	



Sample Information

Client Sample ID: SP18_0-2

York Sample ID: 18H1343-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 1:05 pm

08/29/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0342		mg/kg dry	0.0338	1	EPA 7473	08/31/2018 09:34	08/31/2018 18:50	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.8		%	0.100	1	SM 2540G	09/06/2018 10:00	09/06/2018 16:20	TAJ
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.563	1	EPA 7196A	09/04/2018 08:00	09/04/2018 16:46	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	34.4		mg/kg	0.500	1	Calculation	09/06/2018 16:59	09/06/2018 18:06	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	6.16		mg/kg dry	0.563	1	EPA 9014/9010C	08/30/2018 11:16	08/30/2018 16:29	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: SP18_8-9

York Sample ID: 18H1343-06

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 1:15 pm	<u>Date Received</u> 08/29/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 20:45	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 20:45	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.027	0.054	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
78-93-3	2-Butanone	0.0025	J	mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS



Sample Information

Client Sample ID: SP18_8-9

York Sample ID: 18H1343-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 1:15 pm

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
67-64-1	Acetone	0.0093	CCV-E	mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS



Sample Information

Client Sample ID: SP18_8-9

York Sample ID: 18H1343-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 1:15 pm

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS



Sample Information

Client Sample ID: SP18_8-9

York Sample ID: 18H1343-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 1:15 pm

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0013	0.0027	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/04/2018 20:45	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/04/2018 20:45	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: Toluene-d8	109 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	89.8 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW



Sample Information

Client Sample ID: SP18_8-9

York Sample ID: 18H1343-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 1:15 pm

08/29/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
83-32-9	Acenaphthene	0.179		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
62-53-3	Aniline	ND		mg/kg dry	0.210	0.420	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
120-12-7	Anthracene	0.444		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
92-87-5	Benzidine	ND		mg/kg dry	0.210	0.420	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
56-55-3	Benzo(a)anthracene	0.981		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW



Sample Information

Client Sample ID: SP18_8-9

York Sample ID: 18H1343-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1343

170502901

Soil

August 29, 2018 1:15 pm

08/29/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.904		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
205-99-2	Benzo(b)fluoranthene	0.657		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
191-24-2	Benzo(g,h,i)perylene	0.536		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
207-08-9	Benzo(k)fluoranthene	0.694		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
86-74-8	Carbazole	0.113		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
218-01-9	Chrysene	0.918		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
53-70-3	Dibenzo(a,h)anthracene	0.127		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
132-64-9	Dibenzofuran	0.0746	J	mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.105	0.209	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
206-44-0	Fluoranthene	2.22		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW



Sample Information

Client Sample ID: SP18_8-9

York Sample ID: 18H1343-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 1:15 pm

08/29/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.154		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.582		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
91-20-3	Naphthalene	0.0855	J	mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
85-01-8	Phenanthrene	1.75		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
108-95-2	Phenol	ND		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
129-00-0	Pyrene	2.30		mg/kg dry	0.0526	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW
110-86-1	Pyridine	ND		mg/kg dry	0.210	0.420	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:41	09/06/2018 00:33	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	74.5 %	20-108
4165-62-2	Surrogate: Phenol-d5	72.9 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	69.1 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	66.1 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	78.6 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	83.7 %	24-116



Sample Information

Client Sample ID: SP18_8-9

York Sample ID: 18H1343-06

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 1:15 pm	<u>Date Received</u> 08/29/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/04/2018 13:29	09/05/2018 16:35	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0415	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/04/2018 13:29	09/05/2018 16:35	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/04/2018 13:29	09/05/2018 16:35	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00207	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.0104	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB



Sample Information

Client Sample ID: SP18_8-9

York Sample ID: 18H1343-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Soil

August 29, 2018 1:15 pm

08/29/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.105	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 16:35	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	66.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	53.5 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:42	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:42	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:42	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:42	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:42	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:42	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 13:29	09/05/2018 18:42	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0209	1	EPA 8082A Certifications:	09/04/2018 13:29	09/05/2018 18:42	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	48.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	32.3 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10600		mg/kg dry	6.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-36-0	Antimony	1.75		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-38-2	Arsenic	3.50		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML



Sample Information

Client Sample ID: SP18_8-9

York Sample ID: 18H1343-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1343

170502901

Soil

August 29, 2018 1:15 pm

08/29/2018

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
7440-39-3	Barium	177		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.126	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-43-9	Cadmium	0.712		mg/kg dry	0.377	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-70-2	Calcium	14100		mg/kg dry	6.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-47-3	Chromium	20.8		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-48-4	Cobalt	11.7		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-50-8	Copper	39.9		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7439-89-6	Iron	19600		mg/kg dry	2.51	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7439-92-1	Lead	415		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7439-95-4	Magnesium	5840		mg/kg dry	6.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7439-96-5	Manganese	479		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-02-0	Nickel	17.1		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-09-7	Potassium	3700		mg/kg dry	6.29	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7782-49-2	Selenium	ND		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-22-4	Silver	ND		mg/kg dry	0.629	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-23-5	Sodium	704		mg/kg dry	12.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-28-0	Thallium	ND		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-62-2	Vanadium	31.0		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	KML
7440-66-6	Zinc	138		mg/kg dry	1.89	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 11:16	09/06/2018 18:43	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP18_8-9

York Sample ID: 18H1343-06

<u>York Project (SDG) No.</u> 18H1343	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 29, 2018 1:15 pm	<u>Date Received</u> 08/29/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.446		mg/kg dry	0.0377	1	EPA 7473	08/31/2018 09:34	08/31/2018 18:59	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	79.5		%	0.100	1	SM 2540G	09/06/2018 10:00	09/06/2018 16:20	TAJ
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.629	1	EPA 7196A	09/04/2018 08:00	09/04/2018 16:46	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	20.8		mg/kg	0.500	1	Calculation	09/06/2018 16:59	09/06/2018 18:06	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	2.91		mg/kg dry	0.629	1	EPA 9014/9010C	08/30/2018 11:16	08/30/2018 16:29	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: TB02_082918

York Sample ID: 18H1343-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Water

August 29, 2018 2:30 pm

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS



Sample Information

Client Sample ID: TB02_082918

York Sample ID: 18H1343-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Water

August 29, 2018 2:30 pm

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
74-87-3	Chloromethane	0.210		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS



Sample Information

Client Sample ID: TB02_082918

York Sample ID: 18H1343-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Water

August 29, 2018 2:30 pm

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS



Sample Information

Client Sample ID: TB02_082918

York Sample ID: 18H1343-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1343

170502901

Water

August 29, 2018 2:30 pm

08/29/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 00:37	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/05/2018 00:37	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	103 %	69-130								
2037-26-5	Surrogate: Toluene-d8	89.1 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	94.4 %	79-122								



Analytical Batch Summary

Batch ID: BH81545 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
18H1343-01	SP20_0-2	08/30/18
18H1343-02	SP20_10-11	08/30/18
18H1343-03	SP19_0-2	08/30/18
18H1343-04	SP19_12-13	08/30/18
18H1343-05	SP18_0-2	08/30/18
18H1343-06	SP18_8-9	08/30/18
BH81545-BLK1	Blank	08/30/18
BH81545-SRM1	Reference	08/30/18

Batch ID: BH81608 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18H1343-01	SP20_0-2	08/31/18
18H1343-02	SP20_10-11	08/31/18
18H1343-03	SP19_0-2	08/31/18
18H1343-04	SP19_12-13	08/31/18
18H1343-05	SP18_0-2	08/31/18
18H1343-06	SP18_8-9	08/31/18
BH81608-BLK1	Blank	08/31/18
BH81608-SRM1	Reference	08/31/18

Batch ID: BI80005 **Preparation Method:** EPA 5035A **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H1343-03	SP19_0-2	09/04/18
18H1343-06	SP18_8-9	09/04/18
BI80005-BLK1	Blank	09/04/18
BI80005-BS1	LCS	09/04/18
BI80005-BSD1	LCS Dup	09/04/18

Batch ID: BI80008 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H1343-07	TB02_082918	09/04/18
BI80008-BLK1	Blank	09/04/18
BI80008-BS1	LCS	09/04/18
BI80008-BSD1	LCS Dup	09/04/18

Batch ID: BI80015 **Preparation Method:** EPA SW846-3060 **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18H1343-01	SP20_0-2	09/04/18
18H1343-02	SP20_10-11	09/04/18



18H1343-03	SP19_0-2	09/04/18
18H1343-04	SP19_12-13	09/04/18
18H1343-05	SP18_0-2	09/04/18
18H1343-06	SP18_8-9	09/04/18
BI80015-BLK1	Blank	09/04/18
BI80015-SRM1	Reference	09/04/18

Batch ID: BI80035 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18H1343-01	SP20_0-2	09/04/18
18H1343-01	SP20_0-2	09/04/18
18H1343-02	SP20_10-11	09/04/18
18H1343-02	SP20_10-11	09/04/18
18H1343-03	SP19_0-2	09/04/18
18H1343-03	SP19_0-2	09/04/18
18H1343-04	SP19_12-13	09/04/18
18H1343-04	SP19_12-13	09/04/18
18H1343-05	SP18_0-2	09/04/18
18H1343-05	SP18_0-2	09/04/18
18H1343-06	SP18_8-9	09/04/18
18H1343-06	SP18_8-9	09/04/18
BI80035-BLK1	Blank	09/04/18
BI80035-BLK2	Blank	09/04/18
BI80035-BS1	LCS	09/04/18
BI80035-BS2	LCS	09/04/18

Batch ID: BI80037 **Preparation Method:** EPA 3550C **Prepared By:** AB

YORK Sample ID	Client Sample ID	Preparation Date
18H1343-01	SP20_0-2	09/04/18
18H1343-02	SP20_10-11	09/04/18
18H1343-03	SP19_0-2	09/04/18
18H1343-04	SP19_12-13	09/04/18
18H1343-05	SP18_0-2	09/04/18
18H1343-06	SP18_8-9	09/04/18
BI80037-BLK1	Blank	09/04/18
BI80037-BS1	LCS	09/04/18

Batch ID: BI80066 **Preparation Method:** EPA 5035A **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H1343-01	SP20_0-2	09/05/18
18H1343-02	SP20_10-11	09/05/18
18H1343-04	SP19_12-13	09/05/18
18H1343-05	SP18_0-2	09/05/18
BI80066-BLK1	Blank	09/05/18
BI80066-BLK2	Blank	09/05/18
BI80066-BS1	LCS	09/05/18
BI80066-BSD1	LCS Dup	09/05/18



Batch ID: BI80097

Preparation Method: EPA 3050B

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1343-01	SP20_0-2	09/05/18
18H1343-02	SP20_10-11	09/05/18
18H1343-03	SP19_0-2	09/05/18
18H1343-04	SP19_12-13	09/05/18
18H1343-05	SP18_0-2	09/05/18
18H1343-06	SP18_8-9	09/05/18
BI80097-BLK1	Blank	09/05/18
BI80097-DUP1	Duplicate	09/05/18
BI80097-MS1	Matrix Spike	09/05/18
BI80097-SRM1	Reference	09/05/18

Batch ID: BI80169

Preparation Method: % Solids Prep

Prepared By: AD

YORK Sample ID	Client Sample ID	Preparation Date
18H1343-01	SP20_0-2	09/06/18
BI80169-DUP1	Duplicate	09/06/18

Batch ID: BI80175

Preparation Method: % Solids Prep

Prepared By: AD

YORK Sample ID	Client Sample ID	Preparation Date
18H1343-02	SP20_10-11	09/06/18
18H1343-03	SP19_0-2	09/06/18
18H1343-04	SP19_12-13	09/06/18
18H1343-05	SP18_0-2	09/06/18
18H1343-06	SP18_8-9	09/06/18

Batch ID: BI80211

Preparation Method: Analysis Preparation

Prepared By: AD

YORK Sample ID	Client Sample ID	Preparation Date
18H1343-01	SP20_0-2	09/06/18
18H1343-02	SP20_10-11	09/06/18
18H1343-03	SP19_0-2	09/06/18
18H1343-04	SP19_12-13	09/06/18
18H1343-05	SP18_0-2	09/06/18
18H1343-06	SP18_8-9	09/06/18



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80005 - EPA 5035A

Blank (BI80005-BLK1)

Prepared & Analyzed: 09/04/2018

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								
Bromoform	ND	0.0050	"								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	0.0052	0.010	"								



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	Flag
		Limit							Units			

Batch BI80005 - EPA 5035A

Blank (BI80005-BLK1)

Prepared & Analyzed: 09/04/2018

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

<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.4		ug/L	50.0	103	77-125						
<i>Surrogate: Toluene-d8</i>	55.7		"	50.0	111	85-120						
<i>Surrogate: p-Bromofluorobenzene</i>	43.6		"	50.0	87.3	76-130						

LCS (BI80005-BS1)

Prepared & Analyzed: 09/04/2018

1,1,1,2-Tetrachloroethane	51.6		ug/L	50.0	103	75-129						
1,1,1-Trichloroethane	53.7		"	50.0	107	71-137						
1,1,2,2-Tetrachloroethane	57.5		"	50.0	115	79-129						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.7		"	50.0	99.3	58-146						
1,1,2-Trichloroethane	57.1		"	50.0	114	83-123						
1,1-Dichloroethane	49.5		"	50.0	99.0	75-130						
1,1-Dichloroethylene	47.3		"	50.0	94.6	64-137						
1,2,3-Trichlorobenzene	43.3		"	50.0	86.7	81-140						
1,2,3-Trichloropropane	52.4		"	50.0	105	81-126						
1,2,4-Trichlorobenzene	43.2		"	50.0	86.3	80-141						
1,2,4-Trimethylbenzene	53.8		"	50.0	108	84-125						
1,2-Dibromo-3-chloropropane	59.4		"	50.0	119	74-142						
1,2-Dibromoethane	56.6		"	50.0	113	86-123						
1,2-Dichlorobenzene	51.5		"	50.0	103	85-122						
1,2-Dichloroethane	54.0		"	50.0	108	71-133						
1,2-Dichloropropane	52.4		"	50.0	105	81-122						
1,3,5-Trimethylbenzene	50.2		"	50.0	100	82-126						
1,3-Dichlorobenzene	47.2		"	50.0	94.4	84-124						
1,4-Dichlorobenzene	48.3		"	50.0	96.7	84-124						
1,4-Dioxane	1250		"	1050	119	10-228						
2-Butanone	45.8		"	50.0	91.6	58-147						
2-Hexanone	49.0		"	50.0	98.1	70-139						
4-Methyl-2-pentanone	47.1		"	50.0	94.3	72-132						
Acetone	35.4		"	50.0	70.7	36-155						
Acrolein	32.8		"	50.0	65.6	10-238						
Acrylonitrile	45.9		"	50.0	91.8	66-141						
Benzene	52.2		"	50.0	104	77-127						
Bromochloromethane	45.5		"	50.0	91.0	74-129						
Bromodichloromethane	57.4		"	50.0	115	81-124						



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80005 - EPA 5035A

LCS (BI80005-BS1)

Prepared & Analyzed: 09/04/2018

Bromoform	49.0		ug/L	50.0	97.9	80-136					
Bromomethane	77.5		"	50.0	155	32-177					
Carbon disulfide	57.6		"	50.0	115	10-136					
Carbon tetrachloride	50.8		"	50.0	102	66-143					
Chlorobenzene	52.6		"	50.0	105	86-120					
Chloroethane	79.7		"	50.0	159	51-142	High Bias				
Chloroform	54.4		"	50.0	109	76-131					
Chloromethane	63.4		"	50.0	127	49-132					
cis-1,2-Dichloroethylene	52.0		"	50.0	104	74-132					
cis-1,3-Dichloropropylene	57.0		"	50.0	114	81-129					
Cyclohexane	48.1		"	50.0	96.2	70-130					
Dibromochloromethane	54.0		"	50.0	108	10-200					
Dibromomethane	61.2		"	50.0	122	83-124					
Dichlorodifluoromethane	79.5		"	50.0	159	28-158	High Bias				
Ethyl Benzene	56.3		"	50.0	113	84-125					
Hexachlorobutadiene	40.4		"	50.0	80.8	83-133	Low Bias				
Isopropylbenzene	49.0		"	50.0	97.9	81-127					
Methyl acetate	38.8		"	50.0	77.5	41-143					
Methyl tert-butyl ether (MTBE)	51.2		"	50.0	102	74-131					
Methylcyclohexane	55.3		"	50.0	111	70-130					
Methylene chloride	45.9		"	50.0	91.7	57-141					
n-Butylbenzene	48.4		"	50.0	96.9	80-130					
n-Propylbenzene	52.4		"	50.0	105	74-136					
o-Xylene	57.6		"	50.0	115	83-123					
p- & m- Xylenes	111		"	100	111	82-128					
p-Isopropyltoluene	49.9		"	50.0	99.8	85-125					
sec-Butylbenzene	53.3		"	50.0	107	83-125					
Styrene	52.6		"	50.0	105	86-126					
tert-Butyl alcohol (TBA)	249		"	250	99.4	70-130					
tert-Butylbenzene	40.8		"	50.0	81.6	80-127					
Tetrachloroethylene	49.5		"	50.0	99.0	80-129					
Toluene	55.4		"	50.0	111	85-121					
trans-1,2-Dichloroethylene	48.2		"	50.0	96.4	72-132					
trans-1,3-Dichloropropylene	57.6		"	50.0	115	78-132					
Trichloroethylene	56.5		"	50.0	113	84-123					
Trichlorofluoromethane	59.3		"	50.0	119	62-140					
Vinyl Chloride	68.9		"	50.0	138	52-130	High Bias				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	53.9		"	50.0	108	77-125					
<i>Surrogate: Toluene-d8</i>	54.3		"	50.0	109	85-120					
<i>Surrogate: p-Bromofluorobenzene</i>	44.4		"	50.0	88.8	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 BI80005 - EPA 5035A

LCS Dup (BI80005-BSD1)

Prepared & Analyzed: 09/04/2018

1,1,1,2-Tetrachloroethane	52.7		ug/L	50.0		105	75-129		2.11	30	
1,1,1-Trichloroethane	52.4		"	50.0		105	71-137		2.60	30	
1,1,2,2-Tetrachloroethane	56.4		"	50.0		113	79-129		1.97	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0		"	50.0		100	58-146		0.742	30	
1,1,2-Trichloroethane	57.6		"	50.0		115	83-123		0.855	30	
1,1-Dichloroethane	48.5		"	50.0		96.9	75-130		2.12	30	
1,1-Dichloroethylene	47.6		"	50.0		95.3	64-137		0.738	30	
1,2,3-Trichlorobenzene	46.8		"	50.0		93.6	81-140		7.74	30	
1,2,3-Trichloropropane	53.6		"	50.0		107	81-126		2.30	30	
1,2,4-Trichlorobenzene	46.7		"	50.0		93.4	80-141		7.92	30	
1,2,4-Trimethylbenzene	56.6		"	50.0		113	84-125		5.16	30	
1,2-Dibromo-3-chloropropane	61.2		"	50.0		122	74-142		3.02	30	
1,2-Dibromoethane	57.3		"	50.0		115	86-123		1.28	30	
1,2-Dichlorobenzene	53.1		"	50.0		106	85-122		2.98	30	
1,2-Dichloroethane	50.7		"	50.0		101	71-133		6.21	30	
1,2-Dichloropropane	53.4		"	50.0		107	81-122		2.02	30	
1,3,5-Trimethylbenzene	53.2		"	50.0		106	82-126		5.81	30	
1,3-Dichlorobenzene	50.0		"	50.0		99.9	84-124		5.74	30	
1,4-Dichlorobenzene	50.3		"	50.0		101	84-124		3.99	30	
1,4-Dioxane	1240		"	1050		118	10-228		0.512	30	
2-Butanone	44.0		"	50.0		88.0	58-147		4.08	30	
2-Hexanone	50.8		"	50.0		102	70-139		3.59	30	
4-Methyl-2-pentanone	48.4		"	50.0		96.9	72-132		2.76	30	
Acetone	38.4		"	50.0		76.8	36-155		8.24	30	
Acrolein	34.7		"	50.0		69.5	10-238		5.66	30	
Acrylonitrile	45.8		"	50.0		91.5	66-141		0.305	30	
Benzene	50.6		"	50.0		101	77-127		3.10	30	
Bromochloromethane	43.0		"	50.0		86.0	74-129		5.65	30	
Bromodichloromethane	58.8		"	50.0		118	81-124		2.31	30	
Bromoform	49.3		"	50.0		98.6	80-136		0.753	30	
Bromomethane	75.4		"	50.0		151	32-177		2.66	30	
Carbon disulfide	57.3		"	50.0		115	10-136		0.574	30	
Carbon tetrachloride	49.9		"	50.0		99.8	66-143		1.73	30	
Chlorobenzene	53.5		"	50.0		107	86-120		1.70	30	
Chloroethane	76.3		"	50.0		153	51-142	High Bias	4.41	30	
Chloroform	53.6		"	50.0		107	76-131		1.52	30	
Chloromethane	61.6		"	50.0		123	49-132		2.82	30	
cis-1,2-Dichloroethylene	49.8		"	50.0		99.7	74-132		4.34	30	
cis-1,3-Dichloropropylene	59.0		"	50.0		118	81-129		3.36	30	
Cyclohexane	48.6		"	50.0		97.3	70-130		1.12	30	
Dibromochloromethane	54.4		"	50.0		109	10-200		0.775	30	
Dibromomethane	60.1		"	50.0		120	83-124		1.78	30	
Dichlorodifluoromethane	76.9		"	50.0		154	28-158		3.27	30	
Ethyl Benzene	56.8		"	50.0		114	84-125		0.920	30	
Hexachlorobutadiene	41.8		"	50.0		83.7	83-133		3.50	30	
Isopropylbenzene	50.6		"	50.0		101	81-127		3.22	30	
Methyl acetate	36.8		"	50.0		73.5	41-143		5.35	30	
Methyl tert-butyl ether (MTBE)	49.0		"	50.0		98.1	74-131		4.27	30	
Methylcyclohexane	56.1		"	50.0		112	70-130		1.31	30	
Methylene chloride	43.4		"	50.0		86.8	57-141		5.51	30	
n-Butylbenzene	53.2		"	50.0		106	80-130		9.40	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 BI80005 - EPA 5035A

LCS Dup (BI80005-BSD1)

Prepared & Analyzed: 09/04/2018

n-Propylbenzene	55.7		ug/L	50.0		111	74-136			6.03	30		
o-Xylene	58.6		"	50.0		117	83-123			1.81	30		
p- & m- Xylenes	114		"	100		114	82-128			1.97	30		
p-Isopropyltoluene	54.3		"	50.0		109	85-125			8.39	30		
sec-Butylbenzene	56.4		"	50.0		113	83-125			5.63	30		
Styrene	53.7		"	50.0		107	86-126			2.05	30		
tert-Butyl alcohol (TBA)	245		"	250		98.2	70-130			1.27	30		
tert-Butylbenzene	43.7		"	50.0		87.3	80-127			6.77	30		
Tetrachloroethylene	50.7		"	50.0		101	80-129			2.36	30		
Toluene	55.2		"	50.0		110	85-121			0.325	30		
trans-1,2-Dichloroethylene	46.8		"	50.0		93.6	72-132			2.97	30		
trans-1,3-Dichloropropylene	58.7		"	50.0		117	78-132			1.86	30		
Trichloroethylene	59.4		"	50.0		119	84-123			4.94	30		
Trichlorofluoromethane	57.3		"	50.0		115	62-140			3.41	30		
Vinyl Chloride	69.7		"	50.0		139	52-130	High Bias		1.20	30		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>50.4</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>77-125</i>						
<i>Surrogate: Toluene-d8</i>	<i>53.5</i>		<i>"</i>	<i>50.0</i>		<i>107</i>	<i>85-120</i>						
<i>Surrogate: p-Bromofluorobenzene</i>	<i>44.6</i>		<i>"</i>	<i>50.0</i>		<i>89.3</i>	<i>76-130</i>						

Batch BI80008 - EPA 5030B

Blank (BI80008-BLK1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L										
1,1,1-Trichloroethane	ND	0.500	"										
1,1,2,2-Tetrachloroethane	ND	0.500	"										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"										
1,1,2-Trichloroethane	ND	0.500	"										
1,1-Dichloroethane	ND	0.500	"										
1,1-Dichloroethylene	ND	0.500	"										
1,2,3-Trichlorobenzene	ND	0.500	"										
1,2,3-Trichloropropane	ND	0.500	"										
1,2,4-Trichlorobenzene	ND	0.500	"										
1,2,4-Trimethylbenzene	ND	0.500	"										
1,2-Dibromo-3-chloropropane	ND	0.500	"										
1,2-Dibromoethane	ND	0.500	"										
1,2-Dichlorobenzene	ND	0.500	"										
1,2-Dichloroethane	ND	0.500	"										
1,2-Dichloropropane	ND	0.500	"										
1,3,5-Trimethylbenzene	ND	0.500	"										
1,3-Dichlorobenzene	ND	0.500	"										
1,4-Dichlorobenzene	ND	0.500	"										
1,4-Dioxane	ND	80.0	"										
2-Butanone	ND	0.500	"										
2-Hexanone	ND	0.500	"										
4-Methyl-2-pentanone	ND	0.500	"										
Acetone	ND	2.00	"										
Acrolein	ND	2.00	"										
Acrylonitrile	ND	0.500	"										
Benzene	ND	0.500	"										
Bromochloromethane	ND	0.500	"										
Bromodichloromethane	ND	0.500	"										



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

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

Batch BI80008 - EPA 5030B

Blank (BI80008-BLK1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

Bromoform	ND	0.500	ug/L								
Bromomethane	ND	2.00	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								

Surrogate: 1,2-Dichloroethane-d4	10.4	"	10.0	104	69-130
Surrogate: Toluene-d8	8.81	"	10.0	88.1	81-117
Surrogate: p-Bromofluorobenzene	9.39	"	10.0	93.9	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 BI80008 - EPA 5030B

LCS (BI80008-BS1)

Prepared & Analyzed: 09/04/2018

1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126				
1,1,1-Trichloroethane	12.0		"	10.0		120	78-136				
1,1,2,2-Tetrachloroethane	9.76		"	10.0		97.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.5		"	10.0		125	54-165				
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123				
1,1-Dichloroethane	12.6		"	10.0		126	82-129				
1,1-Dichloroethylene	13.8		"	10.0		138	68-138				
1,2,3-Trichlorobenzene	8.36		"	10.0		83.6	76-136				
1,2,3-Trichloropropane	9.77		"	10.0		97.7	77-128				
1,2,4-Trichlorobenzene	8.80		"	10.0		88.0	76-137				
1,2,4-Trimethylbenzene	9.89		"	10.0		98.9	82-132				
1,2-Dibromo-3-chloropropane	8.44		"	10.0		84.4	45-147				
1,2-Dibromoethane	10.4		"	10.0		104	83-124				
1,2-Dichlorobenzene	9.74		"	10.0		97.4	79-123				
1,2-Dichloroethane	12.2		"	10.0		122	73-132				
1,2-Dichloropropane	10.0		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	9.73		"	10.0		97.3	80-131				
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122				
1,4-Dichlorobenzene	9.39		"	10.0		93.9	85-124				
1,4-Dioxane	371		"	210		177	10-349				
2-Butanone	10.4		"	10.0		104	49-152				
2-Hexanone	8.99		"	10.0		89.9	51-146				
4-Methyl-2-pentanone	9.28		"	10.0		92.8	57-145				
Acetone	11.5		"	10.0		115	14-150				
Acrolein	2.85		"	10.0		28.5	10-153				
Acrylonitrile	11.6		"	10.0		116	51-150				
Benzene	12.8		"	10.0		128	85-126	High Bias			
Bromochloromethane	12.5		"	10.0		125	77-128				
Bromodichloromethane	9.78		"	10.0		97.8	79-128				
Bromoform	9.99		"	10.0		99.9	78-133				
Bromomethane	12.7		"	10.0		127	43-168				
Carbon disulfide	13.7		"	10.0		137	68-146				
Carbon tetrachloride	11.9		"	10.0		119	77-141				
Chlorobenzene	11.0		"	10.0		110	88-120				
Chloroethane	12.4		"	10.0		124	65-136				
Chloroform	12.4		"	10.0		124	82-128				
Chloromethane	12.4		"	10.0		124	43-155				
cis-1,2-Dichloroethylene	11.9		"	10.0		119	83-129				
cis-1,3-Dichloropropylene	9.48		"	10.0		94.8	80-131				
Cyclohexane	11.4		"	10.0		114	63-149				
Dibromochloromethane	10.4		"	10.0		104	80-130				
Dibromomethane	10.2		"	10.0		102	72-134				
Dichlorodifluoromethane	12.2		"	10.0		122	44-144				
Ethyl Benzene	10.8		"	10.0		108	80-131				
Hexachlorobutadiene	9.47		"	10.0		94.7	67-146				
Isopropylbenzene	9.62		"	10.0		96.2	76-140				
Methyl acetate	12.1		"	10.0		121	51-139				
Methyl tert-butyl ether (MTBE)	12.2		"	10.0		122	76-135				
Methylcyclohexane	8.82		"	10.0		88.2	72-143				
Methylene chloride	12.8		"	10.0		128	55-137				
n-Butylbenzene	9.25		"	10.0		92.5	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 BI80008 - EPA 5030B											
LCS (BI80008-BS1)											
Prepared & Analyzed: 09/04/2018											
n-Propylbenzene	9.79		ug/L	10.0		97.9	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	22.1		"	20.0		111	77-133				
p-Isopropyltoluene	10.2		"	10.0		102	81-136				
sec-Butylbenzene	10.2		"	10.0		102	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	71.5		"	50.0		143	25-162				
tert-Butylbenzene	9.75		"	10.0		97.5	77-138				
Tetrachloroethylene	9.55		"	10.0		95.5	82-131				
Toluene	10.6		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	12.0		"	10.0		120	80-132				
trans-1,3-Dichloropropylene	8.92		"	10.0		89.2	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	11.7		"	10.0		117	67-139				
Vinyl Chloride	13.0		"	10.0		130	58-145				
Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	69-130				
Surrogate: Toluene-d8	8.97		"	10.0		89.7	81-117				
Surrogate: p-Bromofluorobenzene	9.33		"	10.0		93.3	79-122				
LCS Dup (BI80008-BSD1)											
Prepared & Analyzed: 09/04/2018											
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126		0.0913		30
1,1,1-Trichloroethane	11.9		"	10.0		119	78-136		1.08		30
1,1,2,2-Tetrachloroethane	9.90		"	10.0		99.0	76-129		1.42		30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.5		"	10.0		145	54-165		14.7		30
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123		2.93		30
1,1-Dichloroethane	12.4		"	10.0		124	82-129		1.68		30
1,1-Dichloroethylene	14.3		"	10.0		143	68-138	High Bias	3.06		30
1,2,3-Trichlorobenzene	8.49		"	10.0		84.9	76-136		1.54		30
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128		2.73		30
1,2,4-Trichlorobenzene	8.90		"	10.0		89.0	76-137		1.13		30
1,2,4-Trimethylbenzene	9.45		"	10.0		94.5	82-132		4.55		30
1,2-Dibromo-3-chloropropane	8.84		"	10.0		88.4	45-147		4.63		30
1,2-Dibromoethane	10.7		"	10.0		107	83-124		3.32		30
1,2-Dichlorobenzene	9.62		"	10.0		96.2	79-123		1.24		30
1,2-Dichloroethane	12.5		"	10.0		125	73-132		2.18		30
1,2-Dichloropropane	10.0		"	10.0		100	78-126		0.299		30
1,3,5-Trimethylbenzene	9.29		"	10.0		92.9	80-131		4.63		30
1,3-Dichlorobenzene	9.84		"	10.0		98.4	86-122		2.90		30
1,4-Dichlorobenzene	9.25		"	10.0		92.5	85-124		1.50		30
1,4-Dioxane	484		"	210		230	10-349		26.4		30
2-Butanone	13.3		"	10.0		133	49-152		24.7		30
2-Hexanone	10.0		"	10.0		100	51-146		10.8		30
4-Methyl-2-pentanone	10.0		"	10.0		100	57-145		7.77		30
Acetone	13.5		"	10.0		135	14-150		16.1		30
Acrolein	3.06		"	10.0		30.6	10-153		7.11		30
Acrylonitrile	12.8		"	10.0		128	51-150		9.27		30
Benzene	12.6		"	10.0		126	85-126		1.50		30
Bromochloromethane	12.7		"	10.0		127	77-128		1.19		30
Bromodichloromethane	9.81		"	10.0		98.1	79-128		0.306		30
Bromoform	10.4		"	10.0		104	78-133		3.73		30
Bromomethane	12.6		"	10.0		126	43-168		0.710		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 BI80008 - EPA 5030B

LCS Dup (BI80008-BSD1)

Prepared & Analyzed: 09/04/2018

Carbon disulfide	13.5		ug/L	10.0	135	68-146			1.32	30
Carbon tetrachloride	12.0		"	10.0	120	77-141			0.334	30
Chlorobenzene	10.8		"	10.0	108	88-120			1.84	30
Chloroethane	12.1		"	10.0	121	65-136			2.29	30
Chloroform	12.4		"	10.0	124	82-128			0.00	30
Chloromethane	11.9		"	10.0	119	43-155			3.96	30
cis-1,2-Dichloroethylene	11.8		"	10.0	118	83-129			1.09	30
cis-1,3-Dichloropropylene	9.51		"	10.0	95.1	80-131			0.316	30
Cyclohexane	12.3		"	10.0	123	63-149			7.27	30
Dibromochloromethane	10.8		"	10.0	108	80-130			3.58	30
Dibromomethane	10.4		"	10.0	104	72-134			2.42	30
Dichlorodifluoromethane	13.9		"	10.0	139	44-144			12.7	30
Ethyl Benzene	10.5		"	10.0	105	80-131			3.18	30
Hexachlorobutadiene	9.08		"	10.0	90.8	67-146			4.20	30
Isopropylbenzene	9.13		"	10.0	91.3	76-140			5.23	30
Methyl acetate	12.8		"	10.0	128	51-139			5.69	30
Methyl tert-butyl ether (MTBE)	12.8		"	10.0	128	76-135			5.05	30
Methylcyclohexane	9.62		"	10.0	96.2	72-143			8.68	30
Methylene chloride	12.8		"	10.0	128	55-137			0.391	30
n-Butylbenzene	8.85		"	10.0	88.5	79-132			4.42	30
n-Propylbenzene	9.26		"	10.0	92.6	78-133			5.56	30
o-Xylene	10.5		"	10.0	105	78-130			2.92	30
p- & m- Xylenes	21.5		"	20.0	107	77-133			2.89	30
p-Isopropyltoluene	9.71		"	10.0	97.1	81-136			4.82	30
sec-Butylbenzene	9.72		"	10.0	97.2	79-137			4.72	30
Styrene	10.3		"	10.0	103	67-132			1.44	30
tert-Butyl alcohol (TBA)	83.1		"	50.0	166	25-162	High Bias		15.0	30
tert-Butylbenzene	9.26		"	10.0	92.6	77-138			5.16	30
Tetrachloroethylene	9.37		"	10.0	93.7	82-131			1.90	30
Toluene	10.3		"	10.0	103	80-127			2.88	30
trans-1,2-Dichloroethylene	11.8		"	10.0	118	80-132			1.34	30
trans-1,3-Dichloropropylene	9.28		"	10.0	92.8	78-131			3.96	30
Trichloroethylene	10.1		"	10.0	101	82-128			2.45	30
Trichlorofluoromethane	12.1		"	10.0	121	67-139			3.61	30
Vinyl Chloride	12.9		"	10.0	129	58-145			0.850	30
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>	<i>106</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>8.89</i>		<i>"</i>	<i>10.0</i>	<i>88.9</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.18</i>		<i>"</i>	<i>10.0</i>	<i>91.8</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 BI80066 - EPA 5035A

Blank (BI80066-BLK1)

Prepared & Analyzed: 09/05/2018

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



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 BI80066 - EPA 5035A

Blank (BI80066-BLK1)

Prepared & Analyzed: 09/05/2018

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

<i>Surrogate: 1,2-Dichloroethane-d4</i>	50.7		ug/L	50.0	101	77-125					
<i>Surrogate: Toluene-d8</i>	47.2		"	50.0	94.4	85-120					
<i>Surrogate: p-Bromofluorobenzene</i>	48.0		"	50.0	96.1	76-130					

Blank (BI80066-BLK2)

Prepared & Analyzed: 09/05/2018

1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
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	10	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrolein	ND	1.0	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	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								RPD	

Batch BI80066 - EPA 5035A

Blank (BI80066-BLK2)

Prepared & Analyzed: 09/05/2018

Bromomethane	ND	0.50	mg/kg wet								
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	1.0	"								
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	0.50	"								
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: 1,2-Dichloroethane-d4</i>	49.0		ug/L	50.0		97.9		77-125			
<i>Surrogate: Toluene-d8</i>	47.2		"	50.0		94.5		85-120			
<i>Surrogate: p-Bromofluorobenzene</i>	48.6		"	50.0		97.1		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 BI80066 - EPA 5035A										
LCS (BI80066-BS1)										
Prepared & Analyzed: 09/05/2018										
1,1,1,2-Tetrachloroethane	49.5		ug/L	50.0		98.9	75-129			
1,1,1-Trichloroethane	56.1		"	50.0		112	71-137			
1,1,2,2-Tetrachloroethane	39.1		"	50.0		78.1	79-129	Low Bias		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	59.2		"	50.0		118	58-146			
1,1,2-Trichloroethane	44.7		"	50.0		89.4	83-123			
1,1-Dichloroethane	53.2		"	50.0		106	75-130			
1,1-Dichloroethylene	52.5		"	50.0		105	64-137			
1,2,3-Trichlorobenzene	46.6		"	50.0		93.3	81-140			
1,2,3-Trichloropropane	41.8		"	50.0		83.7	81-126			
1,2,4-Trichlorobenzene	48.1		"	50.0		96.2	80-141			
1,2,4-Trimethylbenzene	46.4		"	50.0		92.8	84-125			
1,2-Dibromo-3-chloropropane	33.7		"	50.0		67.3	74-142	Low Bias		
1,2-Dibromoethane	46.7		"	50.0		93.4	86-123			
1,2-Dichlorobenzene	49.1		"	50.0		98.3	85-122			
1,2-Dichloroethane	52.8		"	50.0		106	71-133			
1,2-Dichloropropane	44.2		"	50.0		88.5	81-122			
1,3,5-Trimethylbenzene	44.6		"	50.0		89.3	82-126			
1,3-Dichlorobenzene	48.7		"	50.0		97.5	84-124			
1,4-Dichlorobenzene	48.4		"	50.0		96.9	84-124			
1,4-Dioxane	893		"	1050		85.1	10-228			
2-Butanone	45.6		"	50.0		91.3	58-147			
2-Hexanone	40.4		"	50.0		80.9	70-139			
4-Methyl-2-pentanone	41.1		"	50.0		82.1	72-132			
Acetone	47.4		"	50.0		94.7	36-155			
Acrolein	48.4		"	50.0		96.8	10-238			
Acrylonitrile	49.2		"	50.0		98.4	66-141			
Benzene	52.8		"	50.0		106	77-127			
Bromochloromethane	50.4		"	50.0		101	74-129			
Bromodichloromethane	43.0		"	50.0		85.9	81-124			
Bromoform	46.6		"	50.0		93.3	80-136			
Bromomethane	57.5		"	50.0		115	32-177			
Carbon disulfide	55.9		"	50.0		112	10-136			
Carbon tetrachloride	56.4		"	50.0		113	66-143			
Chlorobenzene	49.4		"	50.0		98.9	86-120			
Chloroethane	50.8		"	50.0		102	51-142			
Chloroform	53.8		"	50.0		108	76-131			
Chloromethane	48.7		"	50.0		97.4	49-132			
cis-1,2-Dichloroethylene	51.4		"	50.0		103	74-132			
cis-1,3-Dichloropropylene	43.3		"	50.0		86.6	81-129			
Cyclohexane	50.9		"	50.0		102	70-130			
Dibromochloromethane	47.2		"	50.0		94.5	10-200			
Dibromomethane	44.3		"	50.0		88.6	83-124			
Dichlorodifluoromethane	58.0		"	50.0		116	28-158			
Ethyl Benzene	48.5		"	50.0		96.9	84-125			
Hexachlorobutadiene	52.6		"	50.0		105	83-133			
Isopropylbenzene	43.0		"	50.0		85.9	81-127			
Methyl acetate	43.8		"	50.0		87.7	41-143			
Methyl tert-butyl ether (MTBE)	51.6		"	50.0		103	74-131			
Methylcyclohexane	47.2		"	50.0		94.4	70-130			
Methylene chloride	53.0		"	50.0		106	57-141			
n-Butylbenzene	47.6		"	50.0		95.3	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
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Batch BI80066 - EPA 5035A

LCS (BI80066-BS1)

Prepared & Analyzed: 09/05/2018

n-Propylbenzene	42.6		ug/L	50.0		85.2	74-136				
o-Xylene	48.6		"	50.0		97.3	83-123				
p- & m- Xylenes	97.5		"	100		97.5	82-128				
p-Isopropyltoluene	48.3		"	50.0		96.6	85-125				
sec-Butylbenzene	48.0		"	50.0		96.1	83-125				
Styrene	47.7		"	50.0		95.5	86-126				
tert-Butyl alcohol (TBA)	252		"	250		101	70-130				
tert-Butylbenzene	40.3		"	50.0		80.7	80-127				
Tetrachloroethylene	53.2		"	50.0		106	80-129				
Toluene	48.3		"	50.0		96.5	85-121				
trans-1,2-Dichloroethylene	51.8		"	50.0		104	72-132				
trans-1,3-Dichloropropylene	42.0		"	50.0		84.0	78-132				
Trichloroethylene	49.0		"	50.0		98.1	84-123				
Trichlorofluoromethane	50.2		"	50.0		100	62-140				
Vinyl Chloride	53.0		"	50.0		106	52-130				
Surrogate: 1,2-Dichloroethane-d4	47.6		"	50.0		95.2	77-125				
Surrogate: Toluene-d8	46.6		"	50.0		93.2	85-120				
Surrogate: p-Bromofluorobenzene	42.2		"	50.0		84.4	76-130				

LCS Dup (BI80066-BS1)

Prepared & Analyzed: 09/05/2018

1,1,1,2-Tetrachloroethane	49.8		ug/L	50.0		99.5	75-129		0.625	30	
1,1,1-Trichloroethane	56.0		"	50.0		112	71-137		0.178	30	
1,1,2,2-Tetrachloroethane	41.7		"	50.0		83.3	79-129		6.44	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	59.8		"	50.0		120	58-146		1.01	30	
1,1,2-Trichloroethane	48.0		"	50.0		96.1	83-123		7.18	30	
1,1-Dichloroethane	54.2		"	50.0		108	75-130		1.90	30	
1,1-Dichloroethylene	52.3		"	50.0		105	64-137		0.382	30	
1,2,3-Trichlorobenzene	48.1		"	50.0		96.2	81-140		3.12	30	
1,2,3-Trichloropropane	45.3		"	50.0		90.6	81-126		7.94	30	
1,2,4-Trichlorobenzene	49.6		"	50.0		99.3	80-141		3.13	30	
1,2,4-Trimethylbenzene	46.2		"	50.0		92.3	84-125		0.454	30	
1,2-Dibromo-3-chloropropane	36.3		"	50.0		72.6	74-142	Low Bias	7.52	30	
1,2-Dibromoethane	48.3		"	50.0		96.6	86-123		3.30	30	
1,2-Dichlorobenzene	50.8		"	50.0		102	85-122		3.36	30	
1,2-Dichloroethane	55.6		"	50.0		111	71-133		5.20	30	
1,2-Dichloropropane	44.3		"	50.0		88.7	81-122		0.203	30	
1,3,5-Trimethylbenzene	44.8		"	50.0		89.6	82-126		0.403	30	
1,3-Dichlorobenzene	48.9		"	50.0		97.8	84-124		0.369	30	
1,4-Dichlorobenzene	49.7		"	50.0		99.4	84-124		2.57	30	
1,4-Dioxane	1000		"	1050		95.4	10-228		11.5	30	
2-Butanone	60.7		"	50.0		121	58-147		28.3	30	
2-Hexanone	45.1		"	50.0		90.2	70-139		10.9	30	
4-Methyl-2-pentanone	45.3		"	50.0		90.7	72-132		9.88	30	
Acetone	51.2		"	50.0		102	36-155		7.75	30	
Acrolein	55.9		"	50.0		112	10-238		14.4	30	
Acrylonitrile	54.3		"	50.0		109	66-141		9.80	30	
Benzene	54.2		"	50.0		108	77-127		2.56	30	
Bromochloromethane	52.5		"	50.0		105	74-129		4.05	30	
Bromodichloromethane	43.7		"	50.0		87.4	81-124		1.71	30	
Bromoform	51.4		"	50.0		103	80-136		9.63	30	
Bromomethane	61.7		"	50.0		123	32-177		7.11	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 BI80066 - EPA 5035A

LCS Dup (BI80066-BSD1)

Prepared & Analyzed: 09/05/2018

Carbon disulfide	56.7		ug/L	50.0		113	10-136		1.47	30	
Carbon tetrachloride	55.5		"	50.0		111	66-143		1.61	30	
Chlorobenzene	49.9		"	50.0		99.8	86-120		0.966	30	
Chloroethane	54.1		"	50.0		108	51-142		6.25	30	
Chloroform	55.3		"	50.0		111	76-131		2.77	30	
Chloromethane	50.3		"	50.0		101	49-132		3.21	30	
cis-1,2-Dichloroethylene	53.0		"	50.0		106	74-132		2.97	30	
cis-1,3-Dichloropropylene	44.3		"	50.0		88.6	81-129		2.35	30	
Cyclohexane	51.1		"	50.0		102	70-130		0.470	30	
Dibromochloromethane	50.1		"	50.0		100	10-200		5.92	30	
Dibromomethane	47.0		"	50.0		94.0	83-124		5.83	30	
Dichlorodifluoromethane	57.1		"	50.0		114	28-158		1.51	30	
Ethyl Benzene	48.1		"	50.0		96.2	84-125		0.704	30	
Hexachlorobutadiene	52.1		"	50.0		104	83-133		0.898	30	
Isopropylbenzene	42.3		"	50.0		84.5	81-127		1.64	30	
Methyl acetate	48.6		"	50.0		97.2	41-143		10.3	30	
Methyl tert-butyl ether (MTBE)	54.2		"	50.0		108	74-131		4.86	30	
Methylcyclohexane	45.9		"	50.0		91.8	70-130		2.79	30	
Methylene chloride	55.0		"	50.0		110	57-141		3.83	30	
n-Butylbenzene	43.3		"	50.0		86.7	80-130		9.50	30	
n-Propylbenzene	42.1		"	50.0		84.3	74-136		1.13	30	
o-Xylene	48.8		"	50.0		97.5	83-123		0.267	30	
p- & m- Xylenes	97.9		"	100		97.9	82-128		0.409	30	
p-Isopropyltoluene	48.0		"	50.0		96.0	85-125		0.665	30	
sec-Butylbenzene	47.4		"	50.0		94.7	83-125		1.47	30	
Styrene	48.5		"	50.0		97.0	86-126		1.58	30	
tert-Butyl alcohol (TBA)	282		"	250		113	70-130		11.2	30	
tert-Butylbenzene	39.9		"	50.0		79.8	80-127	Low Bias	1.12	30	
Tetrachloroethylene	52.2		"	50.0		104	80-129		1.93	30	
Toluene	48.4		"	50.0		96.7	85-121		0.186	30	
trans-1,2-Dichloroethylene	52.4		"	50.0		105	72-132		1.17	30	
trans-1,3-Dichloropropylene	43.6		"	50.0		87.2	78-132		3.78	30	
Trichloroethylene	48.2		"	50.0		96.5	84-123		1.69	30	
Trichlorofluoromethane	52.3		"	50.0		105	62-140		4.04	30	
Vinyl Chloride	53.8		"	50.0		108	52-130		1.46	30	
Surrogate: 1,2-Dichloroethane-d4	51.0		"	50.0		102	77-125				
Surrogate: Toluene-d8	46.4		"	50.0		92.8	85-120				
Surrogate: p-Bromofluorobenzene	42.1		"	50.0		84.2	76-130				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80037 - EPA 3550C

Blank (BI80037-BLK1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80037 - EPA 3550C

Blank (BI80037-BLK1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

Dibenzofuran	ND	0.0417	mg/kg wet								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Diphenylamine	ND	0.0833	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: 2-Fluorophenol	1.05		"	1.67		63.0	20-108				
Surrogate: Phenol-d5	1.03		"	1.67		62.0	23-114				
Surrogate: Nitrobenzene-d5	0.522		"	0.833		62.7	22-108				
Surrogate: 2-Fluorobiphenyl	0.527		"	0.833		63.3	21-113				
Surrogate: 2,4,6-Tribromophenol	1.14		"	1.67		68.2	19-110				
Surrogate: Terphenyl-d14	0.707		"	0.833		84.8	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80037 - EPA 3550C

LCS (BI80037-BS1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

1,1-Biphenyl	0.533	0.0417	mg/kg wet	0.833		64.0	18-111				
1,2,4,5-Tetrachlorobenzene	0.521	0.0833	"	0.833		62.6	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.579	0.0417	"	0.833		69.5	17-137				
2,3,4,6-Tetrachlorophenol	1.32	0.0833	"	0.833		158	30-130	High Bias			
2,4,5-Trichlorophenol	0.526	0.0417	"	0.833		63.2	27-118				
2,4,6-Trichlorophenol	0.543	0.0417	"	0.833		65.2	31-120				
2,4-Dichlorophenol	0.583	0.0417	"	0.833		69.9	20-127				
2,4-Dimethylphenol	0.575	0.0417	"	0.833		69.0	14-132				
2,4-Dinitrophenol	0.582	0.0833	"	0.833		69.9	10-171				
2,4-Dinitrotoluene	0.582	0.0417	"	0.833		69.8	34-131				
2,6-Dinitrotoluene	0.566	0.0417	"	0.833		67.9	31-128				
2-Chloronaphthalene	0.509	0.0417	"	0.833		61.1	31-117				
2-Chlorophenol	0.522	0.0417	"	0.833		62.6	33-113				
2-Methylnaphthalene	0.608	0.0417	"	0.833		73.0	12-138				
2-Methylphenol	0.547	0.0417	"	0.833		65.7	10-136				
2-Nitroaniline	0.578	0.0833	"	0.833		69.3	27-132				
2-Nitrophenol	0.523	0.0417	"	0.833		62.8	17-129				
3- & 4-Methylphenols	0.508	0.0417	"	0.833		61.0	29-103				
3,3-Dichlorobenzidine	0.353	0.0417	"	0.833		42.4	22-149				
3-Nitroaniline	0.556	0.0833	"	0.833		66.8	20-133				
4,6-Dinitro-2-methylphenol	0.576	0.0833	"	0.833		69.2	10-143				
4-Bromophenyl phenyl ether	0.535	0.0417	"	0.833		64.2	29-120				
4-Chloro-3-methylphenol	0.616	0.0417	"	0.833		73.9	24-129				
4-Chloroaniline	0.493	0.0417	"	0.833		59.2	10-132				
4-Chlorophenyl phenyl ether	0.523	0.0417	"	0.833		62.8	27-124				
4-Nitroaniline	0.569	0.0833	"	0.833		68.3	16-128				
4-Nitrophenol	0.613	0.0833	"	0.833		73.5	10-141				
Acenaphthene	0.532	0.0417	"	0.833		63.8	30-121				
Acenaphthylene	0.537	0.0417	"	0.833		64.4	30-115				
Acetophenone	0.517	0.0417	"	0.833		62.0	20-112				
Aniline	0.414	0.167	"	0.833		49.7	10-119				
Anthracene	0.618	0.0417	"	0.833		74.1	34-118				
Atrazine	0.627	0.0417	"	0.833		75.3	26-112				
Benzaldehyde	0.553	0.0417	"	0.833		66.4	21-100				
Benzo(a)anthracene	0.653	0.0417	"	0.833		78.4	32-122				
Benzo(a)pyrene	0.655	0.0417	"	0.833		78.6	29-133				
Benzo(b)fluoranthene	0.620	0.0417	"	0.833		74.4	25-133				
Benzo(g,h,i)perylene	0.621	0.0417	"	0.833		74.6	10-143				
Benzo(k)fluoranthene	0.630	0.0417	"	0.833		75.6	25-128				
Benzoic acid	0.540	0.0417	"	0.842		64.1	10-140				
Benzyl alcohol	0.572	0.0417	"	0.833		68.7	30-115				
Benzyl butyl phthalate	0.695	0.0417	"	0.833		83.4	26-126				
Bis(2-chloroethoxy)methane	0.597	0.0417	"	0.833		71.6	19-132				
Bis(2-chloroethyl)ether	0.526	0.0417	"	0.833		63.1	19-125				
Bis(2-chloroisopropyl)ether	0.676	0.0417	"	0.833		81.1	20-135				
Bis(2-ethylhexyl)phthalate	0.702	0.0417	"	0.833		84.3	10-155				
Caprolactam	0.752	0.0833	"	0.833		90.2	10-127				
Carbazole	0.602	0.0417	"	0.833		72.3	35-123				
Chrysene	0.631	0.0417	"	0.833		75.7	32-123				
Dibenzo(a,h)anthracene	0.594	0.0417	"	0.833		71.3	10-136				
Dibenzofuran	0.547	0.0417	"	0.833		65.6	29-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80037 - EPA 3550C

LCS (BI80037-BS1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

Diethyl phthalate	0.582	0.0417	mg/kg wet	0.833		69.8	34-116				
Dimethyl phthalate	0.579	0.0417	"	0.833		69.5	35-124				
Di-n-butyl phthalate	0.646	0.0417	"	0.833		77.5	31-116				
Di-n-octyl phthalate	0.672	0.0417	"	0.833		80.6	26-136				
Diphenylamine	0.672	0.0833	"	0.833		80.6	40-140				
Fluoranthene	0.648	0.0417	"	0.833		77.8	33-122				
Fluorene	0.564	0.0417	"	0.833		67.7	29-123				
Hexachlorobenzene	0.597	0.0417	"	0.833		71.6	21-124				
Hexachlorobutadiene	0.488	0.0417	"	0.833		58.5	10-149				
Hexachlorocyclopentadiene	0.434	0.0417	"	0.833		52.1	10-129				
Hexachloroethane	0.481	0.0417	"	0.833		57.7	28-108				
Indeno(1,2,3-cd)pyrene	0.605	0.0417	"	0.833		72.6	10-135				
Isophorone	0.590	0.0417	"	0.833		70.8	20-132				
Naphthalene	0.558	0.0417	"	0.833		67.0	23-124				
Nitrobenzene	0.528	0.0417	"	0.833		63.3	13-132				
N-Nitrosodimethylamine	0.514	0.0417	"	0.833		61.7	11-129				
N-nitroso-di-n-propylamine	0.558	0.0417	"	0.833		66.9	24-119				
N-Nitrosodiphenylamine	0.708	0.0417	"	0.833		85.0	22-152				
Pentachlorophenol	0.567	0.0417	"	0.833		68.1	10-139				
Phenanthrene	0.618	0.0417	"	0.833		74.2	33-123				
Phenol	0.562	0.0417	"	0.833		67.5	23-115				
Pyrene	0.658	0.0417	"	0.833		78.9	32-130				
Pyridine	0.287	0.167	"	0.833		34.5	10-91				
<i>Surrogate: 2-Fluorophenol</i>	<i>1.05</i>		<i>"</i>	<i>1.67</i>		<i>63.1</i>	<i>20-108</i>				
<i>Surrogate: Phenol-d5</i>	<i>1.09</i>		<i>"</i>	<i>1.67</i>		<i>65.2</i>	<i>23-114</i>				
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.542</i>		<i>"</i>	<i>0.833</i>		<i>65.0</i>	<i>22-108</i>				
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.534</i>		<i>"</i>	<i>0.833</i>		<i>64.1</i>	<i>21-113</i>				
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1.12</i>		<i>"</i>	<i>1.67</i>		<i>66.9</i>	<i>19-110</i>				
<i>Surrogate: Terphenyl-d14</i>	<i>0.694</i>		<i>"</i>	<i>0.833</i>		<i>83.3</i>	<i>24-116</i>				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80035 - EPA 3550C

Blank (BI80035-BLK1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.00660	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								

Surrogate: Decachlorobiphenyl

0.0653

"

0.0670

97.5

30-150

Surrogate: Tetrachloro-m-xylene

0.0620

"

0.0673

92.1

30-150

LCS (BI80035-BS1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

4,4'-DDD	0.0302	0.000330	mg/kg wet	0.0333		90.7	40-140
4,4'-DDE	0.0237	0.000330	"	0.0333		71.2	40-140
4,4'-DDT	0.0249	0.000330	"	0.0333		74.6	40-140
Aldrin	0.0302	0.000330	"	0.0333		90.6	40-140
alpha-BHC	0.0329	0.000330	"	0.0333		98.6	40-140
alpha-Chlordane	0.0289	0.000330	"	0.0333		86.7	40-140
beta-BHC	0.0270	0.000330	"	0.0333		81.0	40-140
delta-BHC	0.0331	0.000330	"	0.0333		99.2	40-140
Dieldrin	0.0254	0.000330	"	0.0333		76.3	40-140
Endosulfan I	0.0320	0.000330	"	0.0333		96.0	40-140
Endosulfan II	0.0309	0.000330	"	0.0333		92.7	40-140
Endosulfan sulfate	0.0296	0.000330	"	0.0333		88.8	40-140
Endrin	0.0281	0.000330	"	0.0333		84.3	40-140
Endrin aldehyde	0.0290	0.000330	"	0.0333		87.0	40-140
Endrin ketone	0.0301	0.000330	"	0.0333		90.4	40-140
gamma-BHC (Lindane)	0.0306	0.000330	"	0.0333		92.0	40-140
gamma-Chlordane	0.0283	0.000330	"	0.0333		85.0	40-140
Heptachlor	0.0279	0.000330	"	0.0333		83.8	40-140
Heptachlor epoxide	0.0274	0.000330	"	0.0333		82.3	40-140
Methoxychlor	0.0214	0.00165	"	0.0333		64.3	40-140

Surrogate: Decachlorobiphenyl

0.0509

"

0.0670

76.0

30-150

Surrogate: Tetrachloro-m-xylene

0.0577

"

0.0673

85.7

30-150



Organochlorine Pesticides by GC/ECD - 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 Y8I0614 - BH80158

Performance Mix (Y8I0614-PEM1)

Prepared & Analyzed: 09/05/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200					
4,4'-DDE	0.656		"	0.00				0-200					
4,4'-DDT	156		"	200		78.2		0-200					
Endrin	104		"	100		104		0-200					
Endrin aldehyde	0.973		"	0.00				0-200					
Endrin ketone	6.88		"	0.00				0-200					

Batch Y8I0711 - BI80157

Performance Mix (Y8I0711-PEM1)

Prepared & Analyzed: 09/06/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200					
4,4'-DDE	0.764		"	0.00				0-200					
4,4'-DDT	164		"	200		81.8		0-200					
Endrin	115		"	100		115		0-200					
Endrin aldehyde	1.84		"	0.00				0-200					
Endrin ketone	8.14		"	0.00				0-200					

Performance Mix (Y8I0711-PEM2)

Prepared & Analyzed: 09/06/2018

4,4'-DDD	0.00		ng/mL	0.00				0-200					
4,4'-DDE	0.869		"	0.00				0-200					
4,4'-DDT	189		"	200		94.6		0-200					
Endrin	127		"	100		127		0-200					
Endrin aldehyde	2.24		"	0.00				0-200					
Endrin ketone	6.89		"	0.00				0-200					



Polychlorinated Biphenyls by GC/ECD - 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 BI80035 - EPA 3550C

Blank (BI80035-BLK2)

Prepared: 09/04/2018 Analyzed: 09/05/2018

Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								

<i>Surrogate: Tetrachloro-m-xylene</i>	0.0703		"	0.0673		104		30-140			
<i>Surrogate: Decachlorobiphenyl</i>	0.0603		"	0.0670		90.0		30-140			

LCS (BI80035-BS2)

Prepared: 09/04/2018 Analyzed: 09/05/2018

Aroclor 1016	0.350	0.0167	mg/kg wet	0.333		105		40-130			
Aroclor 1260	0.369	0.0167	"	0.333		111		40-130			
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0690		"	0.0673		102		30-140			
<i>Surrogate: Decachlorobiphenyl</i>	0.0580		"	0.0670		86.6		30-140			



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 BI80097 - EPA 3050B

Blank (BI80097-BLK1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	ND	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	ND	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.50	"								

Duplicate (BI80097-DUP1)

*Source sample: 18H1343-06 (SP18_8-9)

Prepared: 09/05/2018 Analyzed: 09/07/2018

Aluminum	8050	6.29	mg/kg dry		10600		27.2		35		
Antimony	2.97	0.629	"		1.75		51.9		35		Non-dir.
Arsenic	3.24	1.26	"		3.50		7.74		35		
Barium	90.0	1.26	"		177		65.2		35		Non-dir.
Beryllium	ND	0.126	"		ND				35		
Cadmium	0.741	0.377	"		0.712		3.95		35		
Calcium	5740	6.29	"		14100		84.1		35		Non-dir.
Chromium	16.4	0.629	"		20.8		23.6		35		
Cobalt	11.2	0.629	"		11.7		3.76		35		
Copper	26.3	0.629	"		39.9		40.8		35		Non-dir.
Iron	17700	2.51	"		19600		10.4		35		
Lead	262	0.629	"		415		45.3		35		Non-dir.
Magnesium	3320	6.29	"		5840		55.1		35		Non-dir.
Manganese	149	0.629	"		479		105		35		Non-dir.
Nickel	16.6	0.629	"		17.1		2.89		35		
Potassium	2150	6.29	"		3700		53.1		35		Non-dir.
Selenium	ND	1.26	"		ND				35		
Silver	ND	0.629	"		ND				35		
Sodium	955	12.6	"		704		30.3		35		
Thallium	ND	1.26	"		ND				35		
Vanadium	23.9	1.26	"		31.0		26.2		35		
Zinc	93.3	1.89	"		138		38.6		35		Non-dir.



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

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

Batch BI80097 - EPA 3050B

Matrix Spike (BI80097-MS1) *Source sample: 18H1343-06 (SP18 8-9) Prepared: 09/05/2018 Analyzed: 09/07/2018

Aluminum	9090	6.29	mg/kg dry	251	10600	NR	75-125	Low Bias
Antimony	15.4	0.629	"	31.4	1.75	43.6	75-125	Low Bias
Arsenic	248	1.26	"	251	3.50	97.3	75-125	
Barium	380	1.26	"	251	177	80.7	75-125	
Beryllium	5.96	0.126	"	6.29	ND	94.9	75-125	
Cadmium	7.40	0.377	"	6.29	0.712	106	75-125	
Chromium	42.4	0.629	"	25.1	20.8	85.9	75-125	
Cobalt	78.2	0.629	"	62.9	11.7	106	75-125	
Copper	62.5	0.629	"	31.4	39.9	71.9	75-125	Low Bias
Iron	18000	2.51	"	126	19600	NR	75-125	Low Bias
Lead	461	0.629	"	62.9	415	72.5	75-125	Low Bias
Magnesium	4810	6.29	"	126	5840	NR	75-125	Low Bias
Manganese	270	0.629	"	62.9	479	NR	75-125	Low Bias
Nickel	86.3	0.629	"	62.9	17.1	110	75-125	
Potassium	2670	6.29	"	62.9	3700	NR	75-125	Low Bias
Selenium	213	1.26	"	251	ND	84.5	75-125	
Silver	1.26	0.629	"	6.29	ND	20.0	75-125	Low Bias
Sodium	1130	12.6	"	126	704	340	75-125	High Bias
Thallium	247	1.26	"	251	ND	98.1	75-125	
Vanadium	88.9	1.26	"	62.9	31.0	92.1	75-125	
Zinc	196	1.89	"	62.9	138	92.6	75-125	

Reference (BI80097-SRM1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

Aluminum	4550	5.00	mg/kg wet	8360		54.4	39.4-160.5	
Antimony	52.7	0.500	"	75.5		69.8	25.1-275.7	
Arsenic	162	1.00	"	161		101	69.9-132.9	
Barium	240	1.00	"	260		92.2	71.5-136.3	
Beryllium	98.4	0.100	"	97.6		101	75.4-138.1	
Cadmium	209	0.300	"	211		99.0	73.3-141.5	
Calcium	4430	5.00	"	4760		93.1	73.7-136.1	
Chromium	133	0.500	"	136		97.7	69.1-143.3	
Cobalt	50.4	0.500	"	48.2		105	74.6-142	
Copper	167	0.500	"	166		101	72.7-141.6	
Iron	6730	2.00	"	14100		47.7	35.6-163.9	
Lead	108	0.500	"	111		97.6	70.8-137.1	
Magnesium	1630	5.00	"	2340		69.7	63.6-136.1	
Manganese	194	0.500	"	228		85.3	75.7-134.3	
Nickel	102	0.500	"	91.9		111	70.7-146.3	
Potassium	1440	5.00	"	2020		71.1	59.8-140.2	
Selenium	169	1.00	"	191		88.5	67.1-136.8	
Silver	43.3	0.500	"	43.3		100	66.5-139.5	
Sodium	220	10.0	"	218		101	40.6-159.8	
Thallium	158	1.00	"	156		102	68-136.2	
Vanadium	43.6	1.00	"	56.7		77.0	58.9-141.8	
Zinc	185	1.50	"	199		92.8	69.5-131.1	



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 BH81608 - EPA 7473 soil											
Blank (BH81608-BLK1)											
										Prepared & Analyzed: 08/31/2018	
Mercury	ND	0.0300	mg/kg wet								
Reference (BH81608-SRM1)											
										Prepared & Analyzed: 08/31/2018	
Mercury	11.662		mg/kg	13.8		84.5	51.4-168.8				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80169 - % Solids Prep

Duplicate (BI80169-DUP1)	*Source sample: 18H1343-01 (SP20_0-2)							Prepared & Analyzed: 09/06/2018			
% Solids	94.0	0.100	%		95.0				1.06	20	



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 BH81545 - Analysis Preparation Soil											
Blank (BH81545-BLK1)										Prepared & Analyzed: 08/30/2018	
Cyanide, total	ND	0.500	mg/kg wet								
Reference (BH81545-SRM1)										Prepared & Analyzed: 08/30/2018	
Cyanide, total	40.4		ug/mL	41.4		97.6	34.3-167				
Batch BI80015 - EPA SW846-3060											
Blank (BI80015-BLK1)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BI80015-SRM1)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent	35.3		mg/L	76.9		45.9	20.3-212				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H1343-01	SP20_0-2	40mL Vial with Stir Bar-Cool 4° C
18H1343-02	SP20_10-11	40mL Vial with Stir Bar-Cool 4° C
18H1343-03	SP19_0-2	40mL Vial with Stir Bar-Cool 4° C
18H1343-04	SP19_12-13	40mL Vial with Stir Bar-Cool 4° C
18H1343-05	SP18_0-2	40mL 01_Clear Vial Cool to 4° C
18H1343-06	SP18_8-9	40mL Vial with Stir Bar-Cool 4° C
18H1343-07	TB02_082918	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

VOA-Jar	VOA sample was taken from a container noncompliant with SW-846 5035A due to a depletion of low-level vials. Results below 200 ug/Kg may be biased low.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-Spk	The spike recovery is not applicable due to the concentration of this element being >10 X the spike concentration.
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.
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.
IS-LO	The internal std associated with this target compound did not meet acceptance criteria (area <50% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
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).

Definitions and Other Explanations

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



High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



YORK Analytical Laboratories, Inc.
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 Stratford, CT 06615
 clientservices@yorklab.com
 www.yorklab.com



YOUR Information

Company: Lansan
 Address: 360 W 31st St NY, NY
 Phone: 212-479-9100
 Contact: Julia Leung
 E-mail: jlleung@lansan.com

Report To:

Company: SAME
 Address: _____
 Phone: _____
 Contact: _____
 E-mail: _____

Invoice To:

Company: SAME
 Address: _____
 Phone: _____
 Contact: _____
 E-mail: _____

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)

Sherief Saleh

Sample Identification

SP20-0-2
SP20-10-11
SP19-0-2
SP19-12-13
SP18-0-2
SP18-8-9
TRIP BLANK
TB02-082918

Field Chain-of-Custody Record

YORK Project No.

1841343

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 Project Number
170502901

YOUR Project Name
320 N Footham Road CSX Lot B

Turn-Around Time
 RUSH - Next Day
 RUSH - Two Day
 RUSH - Three Day
 RUSH - Four Day
 Standard (5-7 Day)

YOUR PO#:

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

Report / EDD Type (circle selections)

Summary Report	Standard Excel EDD
QA Report	EQUIS (Standard)
NY ASP A Package	NYSDEC EQUIS
NY ASP B Package	NJDEP SRP HazSite
Other:	

Matrix Codes

S - soil / solid	<input checked="" type="checkbox"/>
GW - groundwater	
DW - drinking water	
WW - wastewater	
O - Oil ; Other	

Samples From

New York	<input checked="" type="checkbox"/>
New Jersey	
Connecticut	
Pennsylvania	
Other	

Container Description

Analysis Requested
TCL VOCs, SVOCs, PCBs, pesticides (xantho, TAL Metals (+Hex + trichloro))

Sample Matrix
S

Date/Time Sampled
8/29/18 1100
1110
1155
1205
1305
1315

Special Instruction

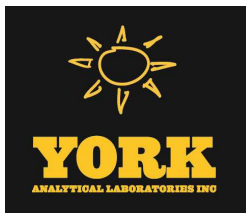
Preservation: (check all that apply)
 HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
 Ascorbic Acid ___ Other: _____

Matrix
TCL VOCs
TCL VOCs

Date/Time
8/29/18 3pm
8/29/18 1932

Comments:

Relinquished by / Company	Date/Time	Relinquished by / Company	Date/Time	Relinquished by / Company	Date/Time	Relinquished by / Company	Date/Time
<u>[Signature]</u>	<u>8/29/18</u>	<u>[Signature]</u>	<u>8/29/18 3pm</u>	<u>[Signature]</u>	<u>8/29/18 1932</u>	<u>[Signature]</u>	<u>8/29/18 1932</u>
<u>A. [Signature]</u>	<u>8/29/18</u>	<u>[Signature]</u>	<u>8/29/18 1932</u>	<u>[Signature]</u>	<u>8/29/18 1932</u>	<u>[Signature]</u>	<u>8/29/18 1932</u>



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Julia Leung

Report Date: 11/20/2018

Client Project ID: 170502901

York Project (SDG) No.: 18H1425



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: 11/20/2018
Client Project ID: 170502901
York Project (SDG) No.: 18H1425

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Julia Leung

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 30, 2018 and listed below. The project was identified as your project: **170502901**.

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>
18H1425-01	SP16_0-2	Soil	08/30/2018	08/30/2018
18H1425-02	SP16_10-11	Soil	08/30/2018	08/30/2018
18H1425-03	SP15_0-2	Soil	08/30/2018	08/30/2018
18H1425-04	SP15_10-11	Soil	08/30/2018	08/30/2018
18H1425-05	SP14_0-2	Soil	08/30/2018	08/30/2018
18H1425-06	SP14_9-10	Soil	08/30/2018	08/30/2018
18H1425-07	SP13_0-2	Soil	08/30/2018	08/30/2018
18H1425-08	SP13_7-8	Soil	08/30/2018	08/30/2018
18H1425-09	SP12_0-2	Soil	08/30/2018	08/30/2018
18H1425-10	SP12_6-7	Soil	08/30/2018	08/30/2018
18H1425-11	TMW15_083018	Water	08/30/2018	08/30/2018
18H1425-12	Stockpile-S	Soil	08/30/2018	08/30/2018
18H1425-13	Stockpile-NE	Soil	08/30/2018	08/30/2018
18H1425-14	Stockpile-NW	Soil	08/30/2018	08/30/2018
18H1425-15	TB03_083018	Water	08/30/2018	08/30/2018

General Notes for York Project (SDG) No.: 18H1425

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: 11/20/2018





Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 14:06	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 14:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.066	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
67-64-1	Acetone	0.0098	SCAL-E, J	mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
71-43-2	Benzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:25 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
100-42-5	Styrene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0033	0.033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
108-88-3	Toluene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0099	0.020	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 14:06	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	86.7 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	107 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	127 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
62-53-3	Aniline	ND		mg/kg dry	0.211	0.422	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
120-12-7	Anthracene	0.123		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
92-87-5	Benzidine	ND		mg/kg dry	0.211	0.422	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
56-55-3	Benzo(a)anthracene	0.596		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.577		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
205-99-2	Benzo(b)fluoranthene	0.511		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
191-24-2	Benzo(g,h,i)perylene	0.433		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
207-08-9	Benzo(k)fluoranthene	0.520		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
117-81-7	Bis(2-ethylhexyl)phthalate	0.104	J	mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
218-01-9	Chrysene	0.622		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
53-70-3	Dibenzo(a,h)anthracene	0.0817	J	mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
206-44-0	Fluoranthene	1.21		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:25 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.427		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
85-01-8	Phenanthrene	0.468		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
108-95-2	Phenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
129-00-0	Pyrene	1.15		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
110-86-1	Pyridine	ND		mg/kg dry	0.211	0.422	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	23.0 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	43.5 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	49.9 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	53.2 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	9.32 %	S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	72.2 %		24-116							



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
72-55-9	4,4'-DDE	0.00496		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
309-00-2	Aldrin	0.00298		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:05	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0416	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/07/2018 10:05	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:05	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.0104	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.105	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	54.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	42.0 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:00	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:00	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:00	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:00	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:00	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:00	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:00	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 14:00	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	50.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	45.8 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9140		mg/kg dry	6.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-36-0	Antimony	ND		mg/kg dry	0.632	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-38-2	Arsenic	5.21		mg/kg dry	1.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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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
7440-39-3	Barium	78.7		mg/kg dry	1.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.126	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.379	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-70-2	Calcium	74300		mg/kg dry	6.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-47-3	Chromium	21.0		mg/kg dry	0.632	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-48-4	Cobalt	6.16		mg/kg dry	0.632	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-50-8	Copper	35.3		mg/kg dry	0.632	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7439-89-6	Iron	14000		mg/kg dry	2.53	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7439-92-1	Lead	54.0		mg/kg dry	0.632	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7439-95-4	Magnesium	14000		mg/kg dry	6.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7439-96-5	Manganese	209		mg/kg dry	0.632	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-02-0	Nickel	17.8	B	mg/kg dry	0.632	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-09-7	Potassium	1970	B	mg/kg dry	6.32	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7782-49-2	Selenium	ND		mg/kg dry	1.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-22-4	Silver	ND		mg/kg dry	0.632	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-23-5	Sodium	324	B	mg/kg dry	12.6	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-28-0	Thallium	ND		mg/kg dry	1.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-62-2	Vanadium	30.6		mg/kg dry	1.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-66-6	Zinc	89.6		mg/kg dry	1.90	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:25 am

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0412		mg/kg dry	0.0379	1	EPA 7473	09/04/2018 09:35	09/04/2018 10:12	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	79.1		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	0.859		mg/kg dry	0.632	1	EPA 7196A	09/05/2018 09:11	09/05/2018 17:47	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	20.1		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.708		mg/kg dry	0.632	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:35 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 07:30	09/06/2018 20:09	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 07:30	09/06/2018 20:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:35 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
67-64-1	Acetone	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:35 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.020	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:35 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 07:30	09/06/2018 20:09	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	89.3 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	104 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	130 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:35 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
62-53-3	Aniline	ND		mg/kg dry	0.195	0.391	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.391	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

York Project (SDG) No.

Client Project ID

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08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW



Sample Information

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08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
108-95-2	Phenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
110-86-1	Pyridine	ND		mg/kg dry	0.195	0.391	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: SURR: 2-Fluorophenol	60.5 %	20-108
4165-62-2	Surrogate: SURR: Phenol-d5	58.6 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	58.9 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	60.5 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	85.9 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	85.1 %	24-116



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:35 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 17:51	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0385	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 17:51	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 17:51	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00963	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB



Sample Information

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0975	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	48.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	42.8 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:24	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:24	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:24	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:24	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:24	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:24	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:24	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 14:24	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	47.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	38.3 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	12200		mg/kg dry	5.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-36-0	Antimony	ND		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-38-2	Arsenic	2.02		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:35 am

08/30/2018

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
7440-39-3	Barium	169		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.117	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.352	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-70-2	Calcium	2500		mg/kg dry	5.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-47-3	Chromium	17.4		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-48-4	Cobalt	10.2		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-50-8	Copper	21.5		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7439-89-6	Iron	18400		mg/kg dry	2.35	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7439-92-1	Lead	33.6		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7439-95-4	Magnesium	4490		mg/kg dry	5.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7439-96-5	Manganese	417		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-02-0	Nickel	13.8	B	mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-09-7	Potassium	4080	B	mg/kg dry	5.87	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7782-49-2	Selenium	ND		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-22-4	Silver	ND		mg/kg dry	0.587	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-23-5	Sodium	1030	B	mg/kg dry	11.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-28-0	Thallium	ND		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-62-2	Vanadium	30.7		mg/kg dry	1.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-66-6	Zinc	51.1		mg/kg dry	1.76	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:35 am	<u>Date Received</u> 08/30/2018
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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	0.0352	1	EPA 7473	09/04/2018 09:35	09/04/2018 10:20	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	85.2		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.587	1	EPA 7196A	09/05/2018 09:11	09/05/2018 17:47	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	17.4		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.611		mg/kg dry	0.587	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:10 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 07:30	09/06/2018 20:37	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 07:30	09/06/2018 20:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:10 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
67-64-1	Acetone	0.013	SCAL-E	mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:10 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.022	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS



Sample Information

Client Sample ID: SP15_0-2

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Soil

August 30, 2018 10:10 am

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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 07:30	09/06/2018 20:37	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.4 %		77-125							
2037-26-5	Surrogate: SURR: Toluene-d8	108 %		85-120							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	140 %	S-09	76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW



Sample Information

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Soil

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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
62-53-3	Aniline	ND		mg/kg dry	0.906	1.81	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
120-12-7	Anthracene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
92-87-5	Benzidine	ND		mg/kg dry	0.906	1.81	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW



Sample Information

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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
86-74-8	Carbazole	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
218-01-9	Chrysene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW



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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
78-59-1	Isophorone	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
108-95-2	Phenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
129-00-0	Pyrene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
110-86-1	Pyridine	ND		mg/kg dry	0.906	1.81	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: SURR: 2-Fluorophenol	40.8 %	20-108
4165-62-2	Surrogate: SURR: Phenol-d5	41.2 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	44.8 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	45.2 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	44.0 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	59.2 %	24-116



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:10 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.00343		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
72-55-9	4,4'-DDE	0.00261		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:20	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0357	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/07/2018 10:20	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
5566-34-7	gamma-Chlordane	0.00384		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:20	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00893	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

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170502901

Soil

August 30, 2018 10:10 am

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0904	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	80.7 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	49.8 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:48	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:48	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:48	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:48	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:48	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:48	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:48	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 14:48	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	56.9 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	52.2 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5330		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-36-0	Antimony	ND		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-38-2	Arsenic	4.82		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

York Project (SDG) No.

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Soil

August 30, 2018 10:10 am

08/30/2018

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
7440-39-3	Barium	40.7		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.326	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-70-2	Calcium	37700		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-47-3	Chromium	5.57		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-48-4	Cobalt	8.94		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-50-8	Copper	22.0		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7439-89-6	Iron	10200		mg/kg dry	2.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7439-92-1	Lead	11.3		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7439-95-4	Magnesium	5650		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7439-96-5	Manganese	84.9		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-02-0	Nickel	19.3	B	mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-09-7	Potassium	1460	B	mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-22-4	Silver	ND		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-23-5	Sodium	437	B	mg/kg dry	10.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-62-2	Vanadium	16.6		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-66-6	Zinc	28.9		mg/kg dry	1.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 10:10 am

08/30/2018

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	0.0326	1	EPA 7473	09/04/2018 09:35	09/04/2018 10:29	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.1		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.543	1	EPA 7196A	09/05/2018 09:11	09/05/2018 17:47	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	5.57		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	4.55		mg/kg dry	0.543	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:20 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 00:53	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 00:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.039	0.079	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 10:20 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
67-64-1	Acetone	0.0063	CCV-E, SCAL-E, J	mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:20 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.020	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 10:20 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 00:53	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	90.6 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	100 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	124 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1425

170502901

Soil

August 30, 2018 10:20 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
62-53-3	Aniline	ND		mg/kg dry	0.949	1.90	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
120-12-7	Anthracene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
92-87-5	Benzidine	ND		mg/kg dry	0.949	1.90	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 10:20 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
86-74-8	Carbazole	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
218-01-9	Chrysene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:20 am	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
86-73-7	Fluorene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
78-59-1	Isophorone	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
108-95-2	Phenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
129-00-0	Pyrene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
110-86-1	Pyridine	ND		mg/kg dry	0.949	1.90	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: SURR: 2-Fluorophenol	63.8 %	20-108
4165-62-2	Surrogate: SURR: Phenol-d5	59.6 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	60.4 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.6 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	74.8 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	75.6 %	24-116



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:20 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:35	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0375	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/07/2018 10:35	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:35	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00937	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 10:20 am

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0948	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	36.0 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	32.2 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:12	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:12	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:12	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:12	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:12	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:12	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:12	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 15:12	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	40.1 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	33.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	15100		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-36-0	Antimony	ND		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-38-2	Arsenic	3.76		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML





Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:20 am	<u>Date Received</u> 08/30/2018
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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
7440-39-3	Barium	176		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.114	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-43-9	Cadmium	0.371		mg/kg dry	0.342	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-70-2	Calcium	20900		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-47-3	Chromium	47.5		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-48-4	Cobalt	14.6		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-50-8	Copper	32.4		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7439-89-6	Iron	24900		mg/kg dry	2.28	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7439-92-1	Lead	37.7		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7439-95-4	Magnesium	12300		mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7439-96-5	Manganese	339		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-02-0	Nickel	27.2	B	mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-09-7	Potassium	6870	B	mg/kg dry	5.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7782-49-2	Selenium	ND		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-22-4	Silver	ND		mg/kg dry	0.570	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-23-5	Sodium	1790	B	mg/kg dry	11.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-62-2	Vanadium	60.8		mg/kg dry	1.14	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-66-6	Zinc	86.3		mg/kg dry	1.71	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:20 am	<u>Date Received</u> 08/30/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.170		mg/kg dry	0.0342	1	EPA 7473	09/04/2018 09:35	09/04/2018 10:38	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.7		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.570	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	47.5		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.570	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 11:55 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 01:21	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 01:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.084	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 11:55 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
67-64-1	Acetone	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 11:55 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.021	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 11:55 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 01:21	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	90.7 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	121 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW



Sample Information

Client Sample ID: SP14_0-2

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York Project (SDG) No.

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18H1425

170502901

Soil

August 30, 2018 11:55 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
208-96-8	Acenaphthylene	0.0752	J	mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
62-53-3	Aniline	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
120-12-7	Anthracene	0.0528	J	mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
92-87-5	Benzidine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
56-55-3	Benzo(a)anthracene	0.270		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW



Sample Information

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Soil

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08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.218		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
205-99-2	Benzo(b)fluoranthene	0.200		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
191-24-2	Benzo(g,h,i)perylene	0.137		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
207-08-9	Benzo(k)fluoranthene	0.206		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
218-01-9	Chrysene	0.296		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
206-44-0	Fluoranthene	0.558		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW



Sample Information

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Soil

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08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.167		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
85-01-8	Phenanthrene	0.328		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
108-95-2	Phenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
129-00-0	Pyrene	0.528		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
110-86-1	Pyridine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	65.8 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	63.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	66.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.0 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	82.6 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	81.9 %	24-116								



Sample Information

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:06	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0357	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 18:06	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:06	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00894	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 11:55 am

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0904	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	50.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	42.0 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:36	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:36	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:36	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:36	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:36	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:36	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:36	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 15:36	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	42.1 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	36.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9610		mg/kg dry	5.42	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-36-0	Antimony	ND		mg/kg dry	0.542	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-38-2	Arsenic	9.10		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML





Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 11:55 am	<u>Date Received</u> 08/30/2018
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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
7440-39-3	Barium	159		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.108	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.325	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-70-2	Calcium	43700		mg/kg dry	5.42	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-47-3	Chromium	21.4		mg/kg dry	0.542	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-48-4	Cobalt	9.07		mg/kg dry	0.542	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-50-8	Copper	64.6		mg/kg dry	0.542	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7439-89-6	Iron	19400		mg/kg dry	2.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7439-92-1	Lead	102		mg/kg dry	0.542	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7439-95-4	Magnesium	25100		mg/kg dry	5.42	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7439-96-5	Manganese	200		mg/kg dry	0.542	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-02-0	Nickel	18.4	B	mg/kg dry	0.542	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-09-7	Potassium	2670	B	mg/kg dry	5.42	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7782-49-2	Selenium	ND		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-22-4	Silver	ND		mg/kg dry	0.542	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-23-5	Sodium	428	B	mg/kg dry	10.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-28-0	Thallium	ND		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-62-2	Vanadium	29.5		mg/kg dry	1.08	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-66-6	Zinc	159		mg/kg dry	1.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 11:55 am

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.502		mg/kg dry	0.0325	1	EPA 7473	09/04/2018 09:35	09/04/2018 10:47	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.2		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.542	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	21.4		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	39.4		mg/kg dry	2.17	1	EPA 9014/9010C	09/06/2018 10:56	09/06/2018 14:14	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:05 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 01:50	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 01:50	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.034	0.068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:05 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
67-64-1	Acetone	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
71-43-2	Benzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:05 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
100-42-5	Styrene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0017	0.017	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
108-88-3	Toluene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:05 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 01:50	SS
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	123 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:05 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
62-53-3	Aniline	ND		mg/kg dry	0.207	0.414	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
92-87-5	Benzidine	ND		mg/kg dry	0.207	0.414	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:05 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:05 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
108-95-2	Phenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
110-86-1	Pyridine	ND		mg/kg dry	0.207	0.414	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: SURR: 2-Fluorophenol	72.0 %	20-108
4165-62-2	Surrogate: SURR: Phenol-d5	71.6 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	68.2 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.1 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	86.8 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	78.5 %	24-116



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:05 pm	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:20	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0407	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 18:20	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:20	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.0102	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

York Project (SDG) No.

Client Project ID

Matrix

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Date Received

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170502901

Soil

August 30, 2018 12:05 pm

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.103	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	54.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	47.3 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:00	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:00	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:00	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:00	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:00	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:00	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:00	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 16:00	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	55.9 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	35.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9880		mg/kg dry	6.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-36-0	Antimony	ND		mg/kg dry	0.620	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-38-2	Arsenic	2.10		mg/kg dry	1.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML



Sample Information

Client Sample ID: SP14_9-10

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York Project (SDG) No.

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Soil

August 30, 2018 12:05 pm

08/30/2018

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
7440-39-3	Barium	66.8		mg/kg dry	1.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.124	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.372	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-70-2	Calcium	4880		mg/kg dry	6.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-47-3	Chromium	18.8		mg/kg dry	0.620	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-48-4	Cobalt	9.46		mg/kg dry	0.620	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-50-8	Copper	19.9		mg/kg dry	0.620	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7439-89-6	Iron	18900		mg/kg dry	2.48	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7439-92-1	Lead	7.84		mg/kg dry	0.620	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7439-95-4	Magnesium	6060		mg/kg dry	6.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7439-96-5	Manganese	464		mg/kg dry	0.620	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-02-0	Nickel	23.1	B	mg/kg dry	0.620	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-09-7	Potassium	2980	B	mg/kg dry	6.20	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7782-49-2	Selenium	ND		mg/kg dry	1.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-22-4	Silver	ND		mg/kg dry	0.620	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-23-5	Sodium	1300	B	mg/kg dry	12.4	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-28-0	Thallium	ND		mg/kg dry	1.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-62-2	Vanadium	23.3		mg/kg dry	1.24	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-66-6	Zinc	45.9		mg/kg dry	1.86	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:05 pm

08/30/2018

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	0.0372	1	EPA 7473	09/04/2018 09:35	09/04/2018 10:56	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	80.6		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.620	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	18.8		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.620	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:35 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 15:03	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 15:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
67-64-1	Acetone	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1425

170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.022	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

York Project (SDG) No.

Client Project ID

Matrix

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18H1425

170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 15:03	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	96.9 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	110 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	123 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW



Sample Information

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Soil

August 30, 2018 12:35 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
62-53-3	Aniline	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
56-55-3	Benzo(a)anthracene	0.234		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.217		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
205-99-2	Benzo(b)fluoranthene	0.193		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
191-24-2	Benzo(g,h,i)perylene	0.158		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
207-08-9	Benzo(k)fluoranthene	0.172		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
218-01-9	Chrysene	0.229		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
206-44-0	Fluoranthene	0.311		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.161		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
85-01-8	Phenanthrene	0.0872	J	mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
108-95-2	Phenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
129-00-0	Pyrene	0.351		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
110-86-1	Pyridine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	64.2 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	60.9 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	63.4 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	61.9 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	81.2 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	86.8 %	24-116								



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:35 pm	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:50	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0360	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
60-57-1	Dieldrin	0.00204		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/07/2018 10:50	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:50	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00900	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

York Project (SDG) No.

Client Project ID

Matrix

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18H1425

170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0911	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	54.0 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	35.3 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:24	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:24	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:24	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:24	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:24	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:24	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:24	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 16:24	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	53.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	38.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6730		mg/kg dry	5.47	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-36-0	Antimony	ND		mg/kg dry	0.547	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-38-2	Arsenic	6.63		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

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
7440-39-3	Barium	114		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.328	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-70-2	Calcium	61800		mg/kg dry	5.47	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-47-3	Chromium	13.2		mg/kg dry	0.547	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-48-4	Cobalt	6.39		mg/kg dry	0.547	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-50-8	Copper	52.0		mg/kg dry	0.547	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7439-89-6	Iron	13400		mg/kg dry	2.19	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7439-92-1	Lead	226		mg/kg dry	0.547	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7439-95-4	Magnesium	30100		mg/kg dry	5.47	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7439-96-5	Manganese	199		mg/kg dry	0.547	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-02-0	Nickel	15.6	B	mg/kg dry	0.547	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-09-7	Potassium	1550	B	mg/kg dry	5.47	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7782-49-2	Selenium	5.91		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-22-4	Silver	ND		mg/kg dry	0.547	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-23-5	Sodium	232	B	mg/kg dry	10.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-62-2	Vanadium	19.2		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-66-6	Zinc	175		mg/kg dry	1.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.436		mg/kg dry	0.0328	1	EPA 7473	09/04/2018 09:35	09/04/2018 11:06	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.4		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.547	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	13.2		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.613		mg/kg dry	0.547	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:45 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 02:47	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 02:47	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.038	0.077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:45 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
67-64-1	Acetone	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:45 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0019	0.019	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

York Project (SDG) No.

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170502901

Soil

August 30, 2018 12:45 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 02:47	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	91.7 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	119 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

York Project (SDG) No.

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170502901

Soil

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08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
208-96-8	Acenaphthylene	0.0496	J	mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
62-53-3	Aniline	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
56-55-3	Benzo(a)anthracene	0.163		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

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170502901

Soil

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08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.169		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
205-99-2	Benzo(b)fluoranthene	0.169		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
191-24-2	Benzo(g,h,i)perylene	0.107		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
207-08-9	Benzo(k)fluoranthene	0.161		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
218-01-9	Chrysene	0.166		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
206-44-0	Fluoranthene	0.180		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW



Sample Information

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Soil

August 30, 2018 12:45 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.123		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
85-01-8	Phenanthrene	0.0534	J	mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
108-95-2	Phenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
129-00-0	Pyrene	0.186		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	67.6 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	62.4 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	63.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.6 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	84.0 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	83.2 %	24-116								



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:45 pm	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:35	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0371	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 18:35	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:35	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00927	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

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170502901

Soil

August 30, 2018 12:45 pm

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0939	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	60.9 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	59.5 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:54	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:54	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:54	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:54	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:54	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:54	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:54	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 16:54	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	64.4 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	45.3 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7680		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-36-0	Antimony	ND		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-38-2	Arsenic	4.15		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML





Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

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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
7440-39-3	Barium	95.9		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.113	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-43-9	Cadmium	0.389		mg/kg dry	0.338	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-70-2	Calcium	50500		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-47-3	Chromium	23.6		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-48-4	Cobalt	10.2		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-50-8	Copper	46.1		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7439-89-6	Iron	16900		mg/kg dry	2.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7439-92-1	Lead	91.0		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7439-95-4	Magnesium	16800		mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7439-96-5	Manganese	249		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-02-0	Nickel	76.8	B	mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-09-7	Potassium	1610	B	mg/kg dry	5.64	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7782-49-2	Selenium	ND		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-22-4	Silver	ND		mg/kg dry	0.564	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-23-5	Sodium	775	B	mg/kg dry	11.3	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-28-0	Thallium	ND		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-62-2	Vanadium	454		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-66-6	Zinc	122		mg/kg dry	1.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:45 pm

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.107		mg/kg dry	0.0338	1	EPA 7473	09/04/2018 09:35	09/04/2018 11:15	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.7		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.564	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	23.6		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.564	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:45 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 15:31	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 15:31	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.033	0.067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

York Project (SDG) No.

Client Project ID

Matrix

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18H1425

170502901

Soil

August 30, 2018 1:45 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
67-64-1	Acetone	0.0091	SCAL-E	mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
71-43-2	Benzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

York Project (SDG) No.

Client Project ID

Matrix

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18H1425

170502901

Soil

August 30, 2018 1:45 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
100-42-5	Styrene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0017	0.017	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
108-88-3	Toluene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1425

170502901

Soil

August 30, 2018 1:45 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 15:31	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	91.7 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	117 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	138 %	S-09		76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

York Project (SDG) No.

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18H1425

170502901

Soil

August 30, 2018 1:45 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
208-96-8	Acenaphthylene	0.0845	J	mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
62-53-3	Aniline	ND		mg/kg dry	0.179	0.359	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
120-12-7	Anthracene	0.123		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.359	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
56-55-3	Benzo(a)anthracene	0.386		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1425

170502901

Soil

August 30, 2018 1:45 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.382		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
205-99-2	Benzo(b)fluoranthene	0.340		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
191-24-2	Benzo(g,h,i)perylene	0.294		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
207-08-9	Benzo(k)fluoranthene	0.403		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
85-68-7	Benzyl butyl phthalate	0.0594	J	mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
117-81-7	Bis(2-ethylhexyl)phthalate	0.198		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
218-01-9	Chrysene	0.411		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
53-70-3	Dibenzo(a,h)anthracene	0.0702	J	mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
206-44-0	Fluoranthene	0.673		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

York Project (SDG) No.

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Matrix

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18H1425

170502901

Soil

August 30, 2018 1:45 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.304		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
85-01-8	Phenanthrene	0.345		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
108-95-2	Phenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
129-00-0	Pyrene	0.699		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.359	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: SURR: 2-Fluorophenol	45.0 %		20-108							
4165-62-2	Surrogate: SURR: Phenol-d5	51.8 %		23-114							
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	47.9 %		22-108							
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	53.0 %		21-113							
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	14.0 %	S-08	19-110							
1718-51-0	Surrogate: SURR: Terphenyl-d14	75.2 %		24-116							



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:45 pm	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.0233		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
72-55-9	4,4'-DDE	0.00377		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
50-29-3	4,4'-DDT	0.00506		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 11:05	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0354	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/07/2018 11:05	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 11:05	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00886	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB



Sample Information

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0896	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	61.4 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	34.6 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:18	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:18	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:18	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:18	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:18	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:18	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:18	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 17:18	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	47.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	47.3 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	13000		mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-36-0	Antimony	ND		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-38-2	Arsenic	3.77		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML



Sample Information

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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
7440-39-3	Barium	60.2		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.107	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.322	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-70-2	Calcium	6980		mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-47-3	Chromium	52.5		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-48-4	Cobalt	9.65		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-50-8	Copper	14.5		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7439-89-6	Iron	17600		mg/kg dry	2.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7439-92-1	Lead	71.2		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7439-95-4	Magnesium	7210		mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7439-96-5	Manganese	387		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-02-0	Nickel	27.8	B	mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-09-7	Potassium	3200	B	mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-22-4	Silver	ND		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-23-5	Sodium	762	B	mg/kg dry	10.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-62-2	Vanadium	27.7		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-66-6	Zinc	73.4		mg/kg dry	1.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:45 pm

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.578		mg/kg dry	0.0322	1	EPA 7473	09/04/2018 09:35	09/04/2018 11:53	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.1		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	IC-INT	mg/kg dry	1.07	1	EPA 7196A	09/10/2018 09:09	09/10/2018 14:52	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	52.5		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.569		mg/kg dry	0.537	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:55 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 03:44	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 03:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
78-93-3	2-Butanone	0.0038	J	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:55 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
67-64-1	Acetone	0.020	CCV-E, SCAL-E	mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS





Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:55 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.022	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:55 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 03:44	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	92.6 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	127 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:55 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
208-96-8	Acenaphthylene	0.216		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
62-53-3	Aniline	ND		mg/kg dry	0.197	0.393	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
120-12-7	Anthracene	0.207		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
92-87-5	Benzidine	ND		mg/kg dry	0.197	0.393	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:55 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	0.818		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
50-32-8	Benzo(a)pyrene	0.723		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
205-99-2	Benzo(b)fluoranthene	0.637		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
191-24-2	Benzo(g,h,i)perylene	0.520		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
207-08-9	Benzo(k)fluoranthene	0.648		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
218-01-9	Chrysene	0.787		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
53-70-3	Dibenzo(a,h)anthracene	0.136		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:55 pm	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	1.45		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.540		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
85-01-8	Phenanthrene	0.538		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
108-95-2	Phenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
129-00-0	Pyrene	1.27		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
110-86-1	Pyridine	ND		mg/kg dry	0.197	0.393	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	67.3 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	63.2 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	61.8 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	64.0 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	81.8 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	77.7 %	24-116								



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:55 pm	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:50	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0389	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 18:50	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:50	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00973	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:55 pm

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0985	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	54.3 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	49.2 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 18:06	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	49.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	34.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9480		mg/kg dry	5.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-36-0	Antimony	ND		mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-38-2	Arsenic	4.37		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:55 pm	<u>Date Received</u> 08/30/2018
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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
7440-39-3	Barium	129		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.118	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.354	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-70-2	Calcium	17500		mg/kg dry	5.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-47-3	Chromium	26.1		mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-48-4	Cobalt	7.76		mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-50-8	Copper	36.4		mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7439-89-6	Iron	13800		mg/kg dry	2.36	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7439-92-1	Lead	201		mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7439-95-4	Magnesium	4590		mg/kg dry	5.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7439-96-5	Manganese	242		mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-02-0	Nickel	18.3	B	mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-09-7	Potassium	1500	B	mg/kg dry	5.91	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7782-49-2	Selenium	ND		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-22-4	Silver	ND		mg/kg dry	0.591	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-23-5	Sodium	555	B	mg/kg dry	11.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-28-0	Thallium	ND		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-62-2	Vanadium	29.2		mg/kg dry	1.18	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-66-6	Zinc	155		mg/kg dry	1.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	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
120 RESEARCH DRIVE www.YORKLAB.com	STRATFORD, CT 06615 (203) 325-1371						132-02 89th AVENUE FAX (203) 357-0166	RICHMOND HILL, NY 11418 ClientServices@yorklab.com		



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:55 pm	<u>Date Received</u> 08/30/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.127		mg/kg dry	0.0354	1	EPA 7473	09/04/2018 09:35	09/04/2018 12:06	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.6		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.591	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	26.1		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.591	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 1:10 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 1:10 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
67-64-1	Acetone	1.88	ICV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 30, 2018 1:10 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 1:10 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/05/2018 01:34	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	113 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	87.5 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	88.1 %			79-122						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 30, 2018 1:10 pm	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
65-85-0	Benzoic acid	ND		ug/L	26.3	52.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 1:10 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
122-39-4	Diphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: SURR: 2-Fluorophenol	28.6 %			19.7-63.1
4165-62-2	Surrogate: SURR: Phenol-d5	17.8 %			10.1-41.7
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	37.7 %	S-08		50.2-113
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	49.0 %			39.9-105
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	58.0 %			39.3-151
1718-51-0	Surrogate: SURR: Terphenyl-d14	84.4 %			30.7-106

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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: TMW15_083018

York Sample ID: 18H1425-11

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 30, 2018 1:10 pm	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
120-12-7	Anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.832		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
206-44-0	Fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
86-73-7	Fluorene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
91-20-3	Naphthalene	0.0526		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 30, 2018 1:10 pm	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
129-00-0	Pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/31/2018 10:42	09/04/2018 12:52	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/31/2018 10:42	09/04/2018 12:52	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/31/2018 10:42	09/04/2018 12:52	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/31/2018 10:42	09/04/2018 12:52	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/31/2018 10:42	09/04/2018 12:52	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/31/2018 10:42	09/04/2018 12:52	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/31/2018 10:42	09/04/2018 12:52	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0556	1	EPA 8082A Certifications:	08/31/2018 10:42	09/04/2018 12:52	LAB
Surrogate Recoveries		Result			Acceptance Range					
877-09-8	Surrogate: Tetrachloro-m-xylene	75.7 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	124 %	S-GC		30-120					

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	0.0680		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-39-3	Barium	0.0933		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-70-2	Calcium	180		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 30, 2018 1:10 pm	<u>Date Received</u> 08/30/2018
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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
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-50-8	Copper	0.0155		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7439-89-6	Iron	0.327		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7439-95-4	Magnesium	360		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7439-96-5	Manganese	0.516		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-09-7	Potassium	138	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-23-5	Sodium	3590	B	mg/L	0.556	5	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/10/2018 12:22	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	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	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-39-3	Barium	0.0931		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-70-2	Calcium	179		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-50-8	Copper	0.0151		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7439-89-6	Iron	0.281	B	mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 1:10 pm

08/30/2018

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
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7439-95-4	Magnesium	357		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7439-96-5	Manganese	0.516		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-09-7	Potassium	140	B	mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-23-5	Sodium	3700	B	mg/L	0.556	5	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/10/2018 12:25	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	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	ND		mg/L	0.00100	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:50	09/10/2018 13:53	KML
7440-38-2	Arsenic	0.00117		mg/L	0.00100	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:50	09/10/2018 13:53	KML
7440-41-7	Beryllium	ND		mg/L	0.00100	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:50	09/10/2018 13:53	KML
7440-43-9	Cadmium	ND		mg/L	0.00100	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:50	09/10/2018 13:53	KML
7782-49-2	Selenium	0.105		mg/L	0.00100	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:50	09/10/2018 13:53	KML
7440-28-0	Thallium	ND		mg/L	0.00100	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:50	09/10/2018 13:53	KML

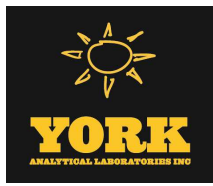
Metals, Target Analyte, ICPMS Dissolved

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		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:52	09/11/2018 12:46	KML



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 1:10 pm

08/30/2018

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
7440-38-2	Arsenic	0.00165		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:52	09/11/2018 12:46	KML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:52	09/11/2018 12:46	KML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:52	09/11/2018 12:46	KML
7782-49-2	Selenium	0.114		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:52	09/11/2018 12:46	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:52	09/11/2018 12:46	KML

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	09/04/2018 09:10	09/04/2018 12:48	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	09/04/2018 09:17	09/04/2018 13:49	SY

Chromium, Hexavalent

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
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 10:53	09/04/2018 10:53	TJD

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	09/10/2018 11:48	09/10/2018 17:11	AD

Cyanide, 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
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Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 1:10 pm

08/30/2018

Cyanide, 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
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	09/06/2018 10:59	09/06/2018 16:04	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analyzed by: Con-Test Analytical Laboratory

PFAS in Water by EPA 537

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
	Perfluoropentanoic acid (PFPeA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
307-24-4	Perfluorohexanoic acid (PFHxA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
375-85-9	Perfluoroheptanoic acid (PFHpA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
335-67-1	Perfluorooctanoic acid (PFOA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
375-95-1	Perfluorononanoic acid (PFNA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
335-76-2	Perfluorodecanoic acid (PFDA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
	NMeFOSAA	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
2058-94-8	Perfluoroundecanoic acid (PFUnA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
	NEtFOSAA	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
307-55-1	Perfluorododecanoic acid (PFDoA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
376-06-7	Perfluorotetradecanoic acid (PFTA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
Surrogate Recoveries		Result			Acceptance Range					
	Surrogate: 13C-PFHxA	%			70-130					
	Surrogate: 13C-PFDA	%			70-130					



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

York Project (SDG) No. 18H1425

Client Project ID 170502901

Matrix Water

Collection Date/Time August 30, 2018 1:10 pm

Date Received 08/30/2018

Analyzed by: Con-Test Analytical Laboratory

PFAS in Water by EPA 537

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
	Surrogate: d5-NEtFOSAA	%				70-130				



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 16:00	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 16:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
67-64-1	Acetone	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 16:00	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.5 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	127 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
83-32-9	Acenaphthene	0.221		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
208-96-8	Acenaphthylene	0.0693	J	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
62-53-3	Aniline	ND		mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
120-12-7	Anthracene	0.687		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
92-87-5	Benzidine	ND		mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
56-55-3	Benzo(a)anthracene	3.66		mg/kg dry	0.110	0.219	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:22	OW



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

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18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	3.80		mg/kg dry	0.110	0.219	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:22	OW
205-99-2	Benzo(b)fluoranthene	2.66		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
191-24-2	Benzo(g,h,i)perylene	2.08		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
207-08-9	Benzo(k)fluoranthene	2.67		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
117-81-7	Bis(2-ethylhexyl)phthalate	0.177		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
86-74-8	Carbazole	0.278		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
218-01-9	Chrysene	3.74		mg/kg dry	0.110	0.219	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:22	OW
53-70-3	Dibenzo(a,h)anthracene	0.696		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
132-64-9	Dibenzofuran	0.0812	J	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
206-44-0	Fluoranthene	6.95		mg/kg dry	0.110	0.219	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:22	OW



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.176		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
193-39-5	Indeno(1,2,3-cd)pyrene	2.21		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
85-01-8	Phenanthrene	2.55		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
108-95-2	Phenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
129-00-0	Pyrene	6.53		mg/kg dry	0.110	0.219	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:22	OW
110-86-1	Pyridine	ND		mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: SURR: 2-Fluorophenol	59.3 %	20-108
4165-62-2	Surrogate: SURR: Phenol-d5	55.1 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	53.1 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	59.8 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	73.6 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	77.1 %	24-116





Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:30 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
72-55-9	4,4'-DDE	0.00213		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
50-29-3	4,4'-DDT	0.00737		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 19:05	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0346	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 19:05	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
72-20-8	Endrin	0.00358		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 19:05	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00865	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0875	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	46.1 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	33.8 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:30	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:30	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:30	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:30	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:30	LAB
11097-69-1	Aroclor 1254	0.0705		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:30	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:30	LAB
1336-36-3	* Total PCBs	0.0705		mg/kg dry	0.0175	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 18:30	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	37.1 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	37.3 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10300		mg/kg dry	5.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-36-0	Antimony	ND		mg/kg dry	0.525	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-38-2	Arsenic	2.52		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

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
7440-39-3	Barium	115		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.105	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-43-9	Cadmium	0.972		mg/kg dry	0.315	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-70-2	Calcium	39800		mg/kg dry	5.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-47-3	Chromium	23.8		mg/kg dry	0.525	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-48-4	Cobalt	8.08		mg/kg dry	0.525	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-50-8	Copper	23.9		mg/kg dry	0.525	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7439-89-6	Iron	14600		mg/kg dry	2.10	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7439-92-1	Lead	80.1		mg/kg dry	0.525	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7439-95-4	Magnesium	5110		mg/kg dry	5.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7439-96-5	Manganese	274		mg/kg dry	0.525	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-02-0	Nickel	16.2	B	mg/kg dry	0.525	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-09-7	Potassium	2230	B	mg/kg dry	5.25	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7782-49-2	Selenium	ND		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-22-4	Silver	ND		mg/kg dry	0.525	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-23-5	Sodium	249	B	mg/kg dry	10.5	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-28-0	Thallium	ND		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-62-2	Vanadium	25.6		mg/kg dry	1.05	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-66-6	Zinc	316		mg/kg dry	1.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.112		mg/kg dry	0.0315	1	EPA 7473	09/04/2018 09:35	09/04/2018 12:14	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	95.2		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.525	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	23.8		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.525	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:45 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 04:41	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 04:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.086	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:45 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
67-64-1	Acetone	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

Client Project ID

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18H1425

170502901

Soil

August 30, 2018 8:45 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.022	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

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170502901

Soil

August 30, 2018 8:45 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 04:41	SS
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	103 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	128 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

Client Project ID

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18H1425

170502901

Soil

August 30, 2018 8:45 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
83-32-9	Acenaphthene	0.140		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
208-96-8	Acenaphthylene	0.188		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
62-53-3	Aniline	ND		mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
120-12-7	Anthracene	0.588		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
92-87-5	Benzidine	ND		mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
56-55-3	Benzo(a)anthracene	3.99		mg/kg dry	0.113	0.226	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:53	OW



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

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Soil

August 30, 2018 8:45 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	3.64		mg/kg dry	0.113	0.226	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:53	OW
205-99-2	Benzo(b)fluoranthene	2.80		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
191-24-2	Benzo(g,h,i)perylene	2.21		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
207-08-9	Benzo(k)fluoranthene	2.71		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
86-74-8	Carbazole	0.201		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
218-01-9	Chrysene	3.75		mg/kg dry	0.113	0.226	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:53	OW
53-70-3	Dibenzo(a,h)anthracene	0.752		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
132-64-9	Dibenzofuran	0.0700	J	mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
206-44-0	Fluoranthene	7.16		mg/kg dry	0.113	0.226	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:53	OW



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:45 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.136		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
193-39-5	Indeno(1,2,3-cd)pyrene	2.29		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
91-20-3	Naphthalene	0.0483	J	mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
85-01-8	Phenanthrene	2.09		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
108-95-2	Phenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
129-00-0	Pyrene	6.53		mg/kg dry	0.113	0.226	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:53	OW
110-86-1	Pyridine	ND		mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: SURR: 2-Fluorophenol	58.2 %	20-108
4165-62-2	Surrogate: SURR: Phenol-d5	58.0 %	23-114
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	53.0 %	22-108
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	60.9 %	21-113
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	78.4 %	19-110
1718-51-0	Surrogate: SURR: Terphenyl-d14	82.8 %	24-116



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:45 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
50-29-3	4,4'-DDT	0.0174		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 19:20	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0357	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 19:20	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
7421-93-4	Endrin aldehyde	0.00413		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 19:20	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00893	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:45 am

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0904	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	31.0 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	27.3 %	S-GC	30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0361	2	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:54	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0361	2	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:54	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0361	2	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:54	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0361	2	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:54	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0361	2	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:54	LAB
11097-69-1	Aroclor 1254	0.0924		mg/kg dry	0.0361	2	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:54	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0361	2	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:54	LAB
1336-36-3	* Total PCBs	0.0924		mg/kg dry	0.0361	2	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 18:54	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	54.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	55.7 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8980		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-36-0	Antimony	ND		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-38-2	Arsenic	2.83		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:45 am

08/30/2018

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
7440-39-3	Barium	90.1		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-43-9	Cadmium	0.388		mg/kg dry	0.326	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-70-2	Calcium	46700		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-47-3	Chromium	27.3		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-48-4	Cobalt	6.54		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-50-8	Copper	21.1		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7439-89-6	Iron	12300		mg/kg dry	2.17	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7439-92-1	Lead	42.4		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7439-95-4	Magnesium	4820		mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7439-96-5	Manganese	223		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-02-0	Nickel	14.3	B	mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-09-7	Potassium	1900	B	mg/kg dry	5.43	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-22-4	Silver	ND		mg/kg dry	0.543	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-23-5	Sodium	225	B	mg/kg dry	10.9	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-62-2	Vanadium	21.0		mg/kg dry	1.09	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-66-6	Zinc	118		mg/kg dry	1.63	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:45 am

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0863		mg/kg dry	0.0326	1	EPA 7473	09/04/2018 09:35	09/04/2018 12:23	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.1		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.543	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	27.3		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.543	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:40 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 05:09	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 05:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:40 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
67-64-1	Acetone	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:40 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:40 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 05:09	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	93.6 %			77-125						
2037-26-5	Surrogate: SURR: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	128 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:40 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
83-32-9	Acenaphthene	0.115		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
208-96-8	Acenaphthylene	0.0651	J	mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
62-53-3	Aniline	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
120-12-7	Anthracene	0.562		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
56-55-3	Benzo(a)anthracene	2.73		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:40 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	2.82		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
205-99-2	Benzo(b)fluoranthene	2.37		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
191-24-2	Benzo(g,h,i)perylene	1.93		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
207-08-9	Benzo(k)fluoranthene	2.44		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
86-74-8	Carbazole	0.193		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
218-01-9	Chrysene	2.78		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
53-70-3	Dibenzo(a,h)anthracene	0.679		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
132-64-9	Dibenzofuran	0.0501	J	mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
206-44-0	Fluoranthene	6.30		mg/kg dry	0.112	0.224	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 13:24	OW



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:40 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.0980		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
193-39-5	Indeno(1,2,3-cd)pyrene	1.99		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
85-01-8	Phenanthrene	1.89		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
108-95-2	Phenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
129-00-0	Pyrene	5.45		mg/kg dry	0.112	0.224	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 13:24	OW
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
	Surrogate Recoveries	Result			Acceptance Range						
367-12-4	Surrogate: SURR: 2-Fluorophenol	49.3 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	53.4 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	46.2 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	57.8 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	78.4 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	81.1 %			24-116						



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:40 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
50-29-3	4,4'-DDT	0.0116		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 19:35	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0353	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 19:35	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 19:35	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00883	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:40 am

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0894	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	60.2 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	46.1 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:18	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:18	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:18	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:18	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:18	LAB
11097-69-1	Aroclor 1254	0.0578		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:18	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:18	LAB
1336-36-3	* Total PCBs	0.0578		mg/kg dry	0.0178	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 19:18	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	44.1 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	38.3 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8770		mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-36-0	Antimony	ND		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-38-2	Arsenic	2.88		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML





Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:40 am	<u>Date Received</u> 08/30/2018
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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
7440-39-3	Barium	91.1		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.107	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-43-9	Cadmium	0.423		mg/kg dry	0.322	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-70-2	Calcium	42100		mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-47-3	Chromium	16.7		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-48-4	Cobalt	6.09		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-50-8	Copper	17.7		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7439-89-6	Iron	11600		mg/kg dry	2.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7439-92-1	Lead	46.5		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7439-95-4	Magnesium	3820		mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7439-96-5	Manganese	201		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-02-0	Nickel	12.5	B	mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-09-7	Potassium	1690	B	mg/kg dry	5.37	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-22-4	Silver	ND		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-23-5	Sodium	287	B	mg/kg dry	10.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-62-2	Vanadium	19.7		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-66-6	Zinc	134		mg/kg dry	1.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:40 am	<u>Date Received</u> 08/30/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0877		mg/kg dry	0.0322	1	EPA 7473	09/04/2018 09:35	09/04/2018 12:32	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.2		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.537	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	16.7		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.537	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: TB03_083018

York Sample ID: 18H1425-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 3:00 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS



Sample Information

Client Sample ID: TB03_083018

York Sample ID: 18H1425-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 3:00 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS



Sample Information

Client Sample ID: TB03_083018

York Sample ID: 18H1425-15

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 30, 2018 3:00 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS



Sample Information

Client Sample ID: TB03_083018

York Sample ID: 18H1425-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 3:00 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/05/2018 01:06	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	105 %			69-130						
2037-26-5	Surrogate: SURR: Toluene-d8	89.0 %			81-117						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	93.0 %			79-122						



Analytical Batch Summary

Batch ID: BH81620 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KNK

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	08/31/18
BH81620-BLK1	Blank	08/31/18
BH81620-BS1	LCS	08/31/18
BH81620-BSD1	LCS Dup	08/31/18

Batch ID: BI80008 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/04/18
18H1425-15	TB03_083018	09/04/18
BI80008-BLK1	Blank	09/04/18
BI80008-BS1	LCS	09/04/18
BI80008-BSD1	LCS Dup	09/04/18

Batch ID: BI80010 **Preparation Method:** EPA 3510C **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/04/18
BI80010-BLK1	Blank	09/04/18
BI80010-BLK2	Blank	09/04/18
BI80010-BS1	LCS	09/04/18
BI80010-BS2	LCS	09/04/18
BI80010-BSD1	LCS Dup	09/04/18

Batch ID: BI80018 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/04/18
BI80018-DUP1	Duplicate	09/04/18
BI80018-MS1	Matrix Spike	09/04/18
BI80018-SRM1	Reference	09/04/18

Batch ID: BI80019 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/04/18
BI80019-BLK1	Blank	09/04/18
BI80019-SRM1	Reference	09/04/18

Batch ID: BI80021 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
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18H1425-01	SP16_0-2	09/04/18
18H1425-02	SP16_10-11	09/04/18
18H1425-03	SP15_0-2	09/04/18
18H1425-04	SP15_10-11	09/04/18
18H1425-05	SP14_0-2	09/04/18
18H1425-06	SP14_9-10	09/04/18
18H1425-07	SP13_0-2	09/04/18
18H1425-08	SP13_7-8	09/04/18
18H1425-09	SP12_0-2	09/04/18
18H1425-10	SP12_6-7	09/04/18
18H1425-12	Stockpile-S	09/04/18
18H1425-13	Stockpile-NE	09/04/18
18H1425-14	Stockpile-NW	09/04/18
BI80021-BLK1	Blank	09/04/18
BI80021-SRM1	Reference	09/04/18

Batch ID: BI80027 **Preparation Method:** Analysis Preparation **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/04/18
BI80027-BLK1	Blank	09/04/18
BI80027-BS1	LCS	09/04/18

Batch ID: BI80079 **Preparation Method:** EPA SW846-3060 **Prepared By:** TJD

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/05/18
18H1425-02	SP16_10-11	09/05/18
18H1425-03	SP15_0-2	09/05/18
BI80079-BLK1	Blank	09/05/18
BI80079-SRM1	Reference	09/05/18

Batch ID: BI80100 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/05/18
18H1425-02	SP16_10-11	09/05/18
18H1425-03	SP15_0-2	09/05/18
18H1425-04	SP15_10-11	09/05/18
18H1425-06	SP14_9-10	09/05/18
18H1425-07	SP13_0-2	09/05/18
18H1425-08	SP13_7-8	09/05/18
18H1425-09	SP12_0-2	09/05/18
18H1425-10	SP12_6-7	09/05/18
18H1425-12	Stockpile-S	09/05/18
18H1425-13	Stockpile-NE	09/05/18
18H1425-14	Stockpile-NW	09/05/18
BI80100-BLK1	Blank	09/05/18
BI80100-SRM1	Reference	09/05/18



Batch ID: BI80113

Preparation Method: EPA 3550C

Prepared By: AB

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/05/18
18H1425-02	SP16_10-11	09/05/18
18H1425-03	SP15_0-2	09/05/18
18H1425-04	SP15_10-11	09/05/18
18H1425-05	SP14_0-2	09/05/18
18H1425-06	SP14_9-10	09/05/18
BI80113-BLK1	Blank	09/05/18
BI80113-BS1	LCS	09/05/18

Batch ID: BI80114

Preparation Method: EPA 3550C

Prepared By: MAT

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/05/18
18H1425-01	SP16_0-2	09/05/18
18H1425-02	SP16_10-11	09/05/18
18H1425-02	SP16_10-11	09/05/18
18H1425-03	SP15_0-2	09/05/18
18H1425-03	SP15_0-2	09/05/18
18H1425-04	SP15_10-11	09/05/18
18H1425-04	SP15_10-11	09/05/18
18H1425-05	SP14_0-2	09/05/18
18H1425-05	SP14_0-2	09/05/18
18H1425-06	SP14_9-10	09/05/18
18H1425-06	SP14_9-10	09/05/18
18H1425-07	SP13_0-2	09/05/18
18H1425-07	SP13_0-2	09/05/18
18H1425-08	SP13_7-8	09/05/18
18H1425-08	SP13_7-8	09/05/18
18H1425-09	SP12_0-2	09/05/18
18H1425-09	SP12_0-2	09/05/18
18H1425-10	SP12_6-7	09/05/18
18H1425-10	SP12_6-7	09/05/18
18H1425-12	Stockpile-S	09/05/18
18H1425-12	Stockpile-S	09/05/18
18H1425-13	Stockpile-NE	09/05/18
18H1425-13	Stockpile-NE	09/05/18
18H1425-14	Stockpile-NW	09/05/18
18H1425-14	Stockpile-NW	09/05/18
BI80114-BLK1	Blank	09/05/18
BI80114-BLK2	Blank	09/05/18
BI80114-BS1	LCS	09/05/18
BI80114-BS2	LCS	09/05/18
BI80114-MS1	Matrix Spike	09/05/18
BI80114-MS2	Matrix Spike	09/05/18
BI80114-MSD1	Matrix Spike Dup	09/05/18
BI80114-MSD2	Matrix Spike Dup	09/05/18



Batch ID: BI80115

Preparation Method: EPA 3550C

Prepared By: AB

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-07	SP13_0-2	09/05/18
18H1425-08	SP13_7-8	09/05/18
18H1425-09	SP12_0-2	09/05/18
18H1425-10	SP12_6-7	09/05/18
18H1425-12	Stockpile-S	09/05/18
18H1425-12RE1	Stockpile-S	09/05/18
18H1425-13	Stockpile-NE	09/05/18
18H1425-13RE1	Stockpile-NE	09/05/18
18H1425-14	Stockpile-NW	09/05/18
18H1425-14RE1	Stockpile-NW	09/05/18
BI80115-BLK1	Blank	09/05/18
BI80115-BS1	LCS	09/05/18

Batch ID: BI80152

Preparation Method: EPA 5035A

Prepared By: TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-02	SP16_10-11	09/05/18
18H1425-03	SP15_0-2	09/05/18
BI80152-BLK1	Blank	09/06/18
BI80152-BLK2	Blank	09/06/18
BI80152-BS1	LCS	09/06/18
BI80152-BSD1	LCS Dup	09/06/18

Batch ID: BI80161

Preparation Method: EPA SW846-3060

Prepared By: TJD

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-04	SP15_10-11	09/06/18
18H1425-05	SP14_0-2	09/06/18
18H1425-06	SP14_9-10	09/06/18
18H1425-07	SP13_0-2	09/06/18
18H1425-08	SP13_7-8	09/06/18
18H1425-10	SP12_6-7	09/06/18
18H1425-12	Stockpile-S	09/06/18
18H1425-13	Stockpile-NE	09/06/18
18H1425-14	Stockpile-NW	09/06/18
BI80161-BLK1	Blank	09/06/18
BI80161-SRM1	Reference	09/06/18

Batch ID: BI80180

Preparation Method: Analysis Preparation Soil

Prepared By: TJM

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-05	SP14_0-2	09/06/18
BI80180-BLK1	Blank	09/06/18
BI80180-SRM1	Reference	09/06/18



Batch ID: BI80181 **Preparation Method:** Analysis Preparation **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/06/18
BI80181-BLK1	Blank	09/06/18
BI80181-BS1	LCS	09/06/18

Batch ID: BI80193 **Preparation Method:** EPA 5035A **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-04	SP15_10-11	09/06/18
18H1425-05	SP14_0-2	09/06/18
18H1425-06	SP14_9-10	09/06/18
18H1425-08	SP13_7-8	09/06/18
18H1425-10	SP12_6-7	09/06/18
18H1425-13	Stockpile-NE	09/06/18
18H1425-14	Stockpile-NW	09/06/18
BI80193-BLK1	Blank	09/06/18
BI80193-BS1	LCS	09/06/18
BI80193-BSD1	LCS Dup	09/06/18

Batch ID: BI80226 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/06/18
18H1425-02	SP16_10-11	09/06/18
18H1425-03	SP15_0-2	09/06/18
18H1425-04	SP15_10-11	09/06/18
18H1425-05	SP14_0-2	09/06/18
18H1425-06	SP14_9-10	09/06/18
18H1425-07	SP13_0-2	09/06/18
18H1425-08	SP13_7-8	09/06/18
18H1425-09	SP12_0-2	09/06/18
18H1425-10	SP12_6-7	09/06/18
18H1425-12	Stockpile-S	09/06/18
18H1425-13	Stockpile-NE	09/06/18
18H1425-14	Stockpile-NW	09/06/18

Batch ID: BI80233 **Preparation Method:** EPA 5035A **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/07/18
18H1425-07	SP13_0-2	09/07/18
18H1425-09	SP12_0-2	09/07/18
18H1425-12	Stockpile-S	09/07/18
BI80233-BLK1	Blank	09/07/18
BI80233-BS1	LCS	09/07/18
BI80233-BSD1	LCS Dup	09/07/18



Batch ID: BI80253

Preparation Method: EPA 3050B

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/07/18
18H1425-02	SP16_10-11	09/07/18
18H1425-03	SP15_0-2	09/07/18
18H1425-04	SP15_10-11	09/07/18
18H1425-05	SP14_0-2	09/07/18
18H1425-06	SP14_9-10	09/07/18
18H1425-07	SP13_0-2	09/07/18
18H1425-08	SP13_7-8	09/07/18
18H1425-09	SP12_0-2	09/07/18
18H1425-10	SP12_6-7	09/07/18
18H1425-12	Stockpile-S	09/07/18
18H1425-13	Stockpile-NE	09/07/18
18H1425-14	Stockpile-NW	09/07/18
BI80253-BLK1	Blank	09/07/18
BI80253-DUP1	Duplicate	09/07/18
BI80253-MS1	Matrix Spike	09/07/18
BI80253-SRM1	Reference	09/07/18

Batch ID: BI80256

Preparation Method: EPA 3015A

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/07/18
18H1425-11RE1	TMW15_083018	09/07/18
BI80256-BLK1	Blank	09/07/18
BI80256-BS1	LCS	09/07/18
BI80256-DUP1	Duplicate	09/07/18
BI80256-MS1	Matrix Spike	09/07/18

Batch ID: BI80258

Preparation Method: EPA 3015A

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/07/18
18H1425-11RE1	TMW15_083018	09/07/18
BI80258-BLK1	Blank	09/07/18
BI80258-BS1	LCS	09/07/18
BI80258-DUP1	Duplicate	09/07/18
BI80258-MS1	Matrix Spike	09/07/18

Batch ID: BI80260

Preparation Method: EPA 3015A

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/07/18
BI80260-BLK1	Blank	09/07/18
BI80260-BS1	LCS	09/07/18
BI80260-DUP1	Duplicate	09/07/18



BI80260-MS1 Matrix Spike 09/07/18

Batch ID: BI80261 Preparation Method: EPA 3015A Prepared By: BML

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 18H1425-11, BI80261-BLK1, BI80261-BS1, BI80261-DUP1, BI80261-MS1.

Batch ID: BI80344 Preparation Method: EPA SW846-3060 Prepared By: TJD

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 18H1425-09, BI80344-BLK1, BI80344-SRM1.

Batch ID: BI80370 Preparation Method: Analysis Preparation Prepared By: AD

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 18H1425-01 through 18H1425-14.

Batch ID: BI80371 Preparation Method: *** DEFAULT PREP *** Prepared By: AD

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Row includes 18H1425-11.

Batch ID: See attached Preparation Method: Analysis Preparation Prepared By:

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Row includes 18H1425-11.



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 BI80008 - EPA 5030B

Blank (BI80008-BLK1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	2.00	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	2.00	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



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 BI80008 - EPA 5030B

Blank (BI80008-BLK1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<hr/>											
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: SURRE: Toluene-d8	8.81		"	10.0		88.1	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.39		"	10.0		93.9	79-122				

LCS (BI80008-BS1)

Prepared & Analyzed: 09/04/2018

1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126				
1,1,1-Trichloroethane	12.0		"	10.0		120	78-136				
1,1,2,2-Tetrachloroethane	9.76		"	10.0		97.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.5		"	10.0		125	54-165				
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123				
1,1-Dichloroethane	12.6		"	10.0		126	82-129				
1,1-Dichloroethylene	13.8		"	10.0		138	68-138				
1,2,3-Trichlorobenzene	8.36		"	10.0		83.6	76-136				
1,2,3-Trichloropropane	9.77		"	10.0		97.7	77-128				
1,2,4-Trichlorobenzene	8.80		"	10.0		88.0	76-137				
1,2,4-Trimethylbenzene	9.89		"	10.0		98.9	82-132				
1,2-Dibromo-3-chloropropane	8.44		"	10.0		84.4	45-147				
1,2-Dibromoethane	10.4		"	10.0		104	83-124				
1,2-Dichlorobenzene	9.74		"	10.0		97.4	79-123				
1,2-Dichloroethane	12.2		"	10.0		122	73-132				
1,2-Dichloropropane	10.0		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	9.73		"	10.0		97.3	80-131				
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122				
1,4-Dichlorobenzene	9.39		"	10.0		93.9	85-124				
1,4-Dioxane	371		"	210		177	10-349				
2-Butanone	10.4		"	10.0		104	49-152				
2-Hexanone	8.99		"	10.0		89.9	51-146				
4-Methyl-2-pentanone	9.28		"	10.0		92.8	57-145				
Acetone	11.5		"	10.0		115	14-150				
Acrolein	2.85		"	10.0		28.5	10-153				
Acrylonitrile	11.6		"	10.0		116	51-150				
Benzene	12.8		"	10.0		128	85-126	High Bias			
Bromochloromethane	12.5		"	10.0		125	77-128				
Bromodichloromethane	9.78		"	10.0		97.8	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 BI80008 - EPA 5030B

LCS (BI80008-BS1)

Prepared & Analyzed: 09/04/2018

Bromoform	9.99		ug/L	10.0		99.9	78-133						
Bromomethane	12.7		"	10.0		127	43-168						
Carbon disulfide	13.7		"	10.0		137	68-146						
Carbon tetrachloride	11.9		"	10.0		119	77-141						
Chlorobenzene	11.0		"	10.0		110	88-120						
Chloroethane	12.4		"	10.0		124	65-136						
Chloroform	12.4		"	10.0		124	82-128						
Chloromethane	12.4		"	10.0		124	43-155						
cis-1,2-Dichloroethylene	11.9		"	10.0		119	83-129						
cis-1,3-Dichloropropylene	9.48		"	10.0		94.8	80-131						
Cyclohexane	11.4		"	10.0		114	63-149						
Dibromochloromethane	10.4		"	10.0		104	80-130						
Dibromomethane	10.2		"	10.0		102	72-134						
Dichlorodifluoromethane	12.2		"	10.0		122	44-144						
Ethyl Benzene	10.8		"	10.0		108	80-131						
Hexachlorobutadiene	9.47		"	10.0		94.7	67-146						
Isopropylbenzene	9.62		"	10.0		96.2	76-140						
Methyl acetate	12.1		"	10.0		121	51-139						
Methyl tert-butyl ether (MTBE)	12.2		"	10.0		122	76-135						
Methylcyclohexane	8.82		"	10.0		88.2	72-143						
Methylene chloride	12.8		"	10.0		128	55-137						
n-Butylbenzene	9.25		"	10.0		92.5	79-132						
n-Propylbenzene	9.79		"	10.0		97.9	78-133						
o-Xylene	10.8		"	10.0		108	78-130						
p- & m- Xylenes	22.1		"	20.0		111	77-133						
p-Isopropyltoluene	10.2		"	10.0		102	81-136						
sec-Butylbenzene	10.2		"	10.0		102	79-137						
Styrene	10.5		"	10.0		105	67-132						
tert-Butyl alcohol (TBA)	71.5		"	50.0		143	25-162						
tert-Butylbenzene	9.75		"	10.0		97.5	77-138						
Tetrachloroethylene	9.55		"	10.0		95.5	82-131						
Toluene	10.6		"	10.0		106	80-127						
trans-1,2-Dichloroethylene	12.0		"	10.0		120	80-132						
trans-1,3-Dichloropropylene	8.92		"	10.0		89.2	78-131						
Trichloroethylene	10.3		"	10.0		103	82-128						
Trichlorofluoromethane	11.7		"	10.0		117	67-139						
Vinyl Chloride	13.0		"	10.0		130	58-145						
<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>8.97</i>		<i>"</i>	<i>10.0</i>		<i>89.7</i>	<i>81-117</i>						
<i>Surrogate: SURR: p-Bromofluorobenzene</i>	<i>9.33</i>		<i>"</i>	<i>10.0</i>		<i>93.3</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 BI80008 - EPA 5030B											
LCS Dup (BI80008-BSD1)											
Prepared & Analyzed: 09/04/2018											
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126		0.0913	30	
1,1,1-Trichloroethane	11.9		"	10.0		119	78-136		1.08	30	
1,1,2,2-Tetrachloroethane	9.90		"	10.0		99.0	76-129		1.42	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.5		"	10.0		145	54-165		14.7	30	
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123		2.93	30	
1,1-Dichloroethane	12.4		"	10.0		124	82-129		1.68	30	
1,1-Dichloroethylene	14.3		"	10.0		143	68-138	High Bias	3.06	30	
1,2,3-Trichlorobenzene	8.49		"	10.0		84.9	76-136		1.54	30	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128		2.73	30	
1,2,4-Trichlorobenzene	8.90		"	10.0		89.0	76-137		1.13	30	
1,2,4-Trimethylbenzene	9.45		"	10.0		94.5	82-132		4.55	30	
1,2-Dibromo-3-chloropropane	8.84		"	10.0		88.4	45-147		4.63	30	
1,2-Dibromoethane	10.7		"	10.0		107	83-124		3.32	30	
1,2-Dichlorobenzene	9.62		"	10.0		96.2	79-123		1.24	30	
1,2-Dichloroethane	12.5		"	10.0		125	73-132		2.18	30	
1,2-Dichloropropane	10.0		"	10.0		100	78-126		0.299	30	
1,3,5-Trimethylbenzene	9.29		"	10.0		92.9	80-131		4.63	30	
1,3-Dichlorobenzene	9.84		"	10.0		98.4	86-122		2.90	30	
1,4-Dichlorobenzene	9.25		"	10.0		92.5	85-124		1.50	30	
1,4-Dioxane	484		"	210		230	10-349		26.4	30	
2-Butanone	13.3		"	10.0		133	49-152		24.7	30	
2-Hexanone	10.0		"	10.0		100	51-146		10.8	30	
4-Methyl-2-pentanone	10.0		"	10.0		100	57-145		7.77	30	
Acetone	13.5		"	10.0		135	14-150		16.1	30	
Acrolein	3.06		"	10.0		30.6	10-153		7.11	30	
Acrylonitrile	12.8		"	10.0		128	51-150		9.27	30	
Benzene	12.6		"	10.0		126	85-126		1.50	30	
Bromochloromethane	12.7		"	10.0		127	77-128		1.19	30	
Bromodichloromethane	9.81		"	10.0		98.1	79-128		0.306	30	
Bromoform	10.4		"	10.0		104	78-133		3.73	30	
Bromomethane	12.6		"	10.0		126	43-168		0.710	30	
Carbon disulfide	13.5		"	10.0		135	68-146		1.32	30	
Carbon tetrachloride	12.0		"	10.0		120	77-141		0.334	30	
Chlorobenzene	10.8		"	10.0		108	88-120		1.84	30	
Chloroethane	12.1		"	10.0		121	65-136		2.29	30	
Chloroform	12.4		"	10.0		124	82-128		0.00	30	
Chloromethane	11.9		"	10.0		119	43-155		3.96	30	
cis-1,2-Dichloroethylene	11.8		"	10.0		118	83-129		1.09	30	
cis-1,3-Dichloropropylene	9.51		"	10.0		95.1	80-131		0.316	30	
Cyclohexane	12.3		"	10.0		123	63-149		7.27	30	
Dibromochloromethane	10.8		"	10.0		108	80-130		3.58	30	
Dibromomethane	10.4		"	10.0		104	72-134		2.42	30	
Dichlorodifluoromethane	13.9		"	10.0		139	44-144		12.7	30	
Ethyl Benzene	10.5		"	10.0		105	80-131		3.18	30	
Hexachlorobutadiene	9.08		"	10.0		90.8	67-146		4.20	30	
Isopropylbenzene	9.13		"	10.0		91.3	76-140		5.23	30	
Methyl acetate	12.8		"	10.0		128	51-139		5.69	30	
Methyl tert-butyl ether (MTBE)	12.8		"	10.0		128	76-135		5.05	30	
Methylcyclohexane	9.62		"	10.0		96.2	72-143		8.68	30	
Methylene chloride	12.8		"	10.0		128	55-137		0.391	30	
n-Butylbenzene	8.85		"	10.0		88.5	79-132		4.42	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 BI80008 - EPA 5030B

LCS Dup (BI80008-BSD1)

Prepared & Analyzed: 09/04/2018

n-Propylbenzene	9.26		ug/L	10.0		92.6	78-133			5.56	30		
o-Xylene	10.5		"	10.0		105	78-130			2.92	30		
p- & m- Xylenes	21.5		"	20.0		107	77-133			2.89	30		
p-Isopropyltoluene	9.71		"	10.0		97.1	81-136			4.82	30		
sec-Butylbenzene	9.72		"	10.0		97.2	79-137			4.72	30		
Styrene	10.3		"	10.0		103	67-132			1.44	30		
tert-Butyl alcohol (TBA)	83.1		"	50.0		166	25-162	High Bias		15.0	30		
tert-Butylbenzene	9.26		"	10.0		92.6	77-138			5.16	30		
Tetrachloroethylene	9.37		"	10.0		93.7	82-131			1.90	30		
Toluene	10.3		"	10.0		103	80-127			2.88	30		
trans-1,2-Dichloroethylene	11.8		"	10.0		118	80-132			1.34	30		
trans-1,3-Dichloropropylene	9.28		"	10.0		92.8	78-131			3.96	30		
Trichloroethylene	10.1		"	10.0		101	82-128			2.45	30		
Trichlorofluoromethane	12.1		"	10.0		121	67-139			3.61	30		
Vinyl Chloride	12.9		"	10.0		129	58-145			0.850	30		
Surrogate: SURR: 1,2-Dichloroethane-d4	10.6		"	10.0		106	69-130						
Surrogate: SURR: Toluene-d8	8.89		"	10.0		88.9	81-117						
Surrogate: SURR: p-Bromofluorobenzene	9.18		"	10.0		91.8	79-122						

Batch BI80152 - EPA 5035A

Blank (BI80152-BLK1)

Prepared & Analyzed: 09/06/2018

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet										
1,1,1-Trichloroethane	ND	0.0050	"										
1,1,2,2-Tetrachloroethane	ND	0.0050	"										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"										
1,1,2-Trichloroethane	ND	0.0050	"										
1,1-Dichloroethane	ND	0.0050	"										
1,1-Dichloroethylene	ND	0.0050	"										
1,2,3-Trichlorobenzene	ND	0.0050	"										
1,2,3-Trichloropropane	ND	0.0050	"										
1,2,4-Trichlorobenzene	ND	0.0050	"										
1,2,4-Trimethylbenzene	ND	0.0050	"										
1,2-Dibromo-3-chloropropane	ND	0.0050	"										
1,2-Dibromoethane	ND	0.0050	"										
1,2-Dichlorobenzene	ND	0.0050	"										
1,2-Dichloroethane	ND	0.0050	"										
1,2-Dichloropropane	ND	0.0050	"										
1,3,5-Trimethylbenzene	ND	0.0050	"										
1,3-Dichlorobenzene	ND	0.0050	"										
1,4-Dichlorobenzene	ND	0.0050	"										
1,4-Dioxane	ND	0.10	"										
2-Butanone	ND	0.0050	"										
2-Hexanone	ND	0.0050	"										
4-Methyl-2-pentanone	ND	0.0050	"										
Acetone	ND	0.010	"										
Acrolein	ND	0.010	"										
Acrylonitrile	ND	0.0050	"										
Benzene	ND	0.0050	"										
Bromochloromethane	ND	0.0050	"										
Bromodichloromethane	ND	0.0050	"										



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 BI80152 - EPA 5035A

Blank (BI80152-BLK1)

Prepared & Analyzed: 09/06/2018

Bromoform	ND	0.0050	mg/kg wet										
Bromomethane	ND	0.0050	"										
Carbon disulfide	ND	0.0050	"										
Carbon tetrachloride	ND	0.0050	"										
Chlorobenzene	ND	0.0050	"										
Chloroethane	ND	0.0050	"										
Chloroform	ND	0.0050	"										
Chloromethane	ND	0.0050	"										
cis-1,2-Dichloroethylene	ND	0.0050	"										
cis-1,3-Dichloropropylene	ND	0.0050	"										
Cyclohexane	ND	0.0050	"										
Dibromochloromethane	ND	0.0050	"										
Dibromomethane	ND	0.0050	"										
Dichlorodifluoromethane	ND	0.0050	"										
Ethyl Benzene	ND	0.0050	"										
Hexachlorobutadiene	ND	0.0050	"										
Isopropylbenzene	ND	0.0050	"										
Methyl acetate	ND	0.0050	"										
Methyl tert-butyl ether (MTBE)	ND	0.0050	"										
Methylcyclohexane	ND	0.0050	"										
Methylene chloride	ND	0.010	"										
n-Butylbenzene	ND	0.0050	"										
n-Propylbenzene	ND	0.0050	"										
o-Xylene	ND	0.0050	"										
p- & m- Xylenes	ND	0.010	"										
p-Isopropyltoluene	ND	0.0050	"										
sec-Butylbenzene	ND	0.0050	"										
Styrene	ND	0.0050	"										
tert-Butyl alcohol (TBA)	ND	0.0050	"										
tert-Butylbenzene	ND	0.0050	"										
Tetrachloroethylene	ND	0.0050	"										
Toluene	ND	0.0050	"										
trans-1,2-Dichloroethylene	ND	0.0050	"										
trans-1,3-Dichloropropylene	ND	0.0050	"										
Trichloroethylene	ND	0.0050	"										
Trichlorofluoromethane	ND	0.0050	"										
Vinyl Chloride	ND	0.0050	"										
Xylenes, Total	ND	0.015	"										

Surrogate: SURRE: 1,2-Dichloroethane-d4	44.9		ug/L	50.0		89.7	77-125
Surrogate: SURRE: Toluene-d8	50.3		"	50.0		101	85-120
Surrogate: SURRE: p-Bromofluorobenzene	59.6		"	50.0		119	76-130



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

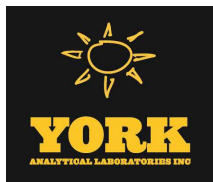
Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	Limit	Flag
		Limit			Result	%REC			RPD		

Batch BI80152 - EPA 5035A

Blank (BI80152-BLK2)

Prepared & Analyzed: 09/06/2018

1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet
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	10	"
2-Butanone	ND	0.50	"
2-Hexanone	ND	0.50	"
4-Methyl-2-pentanone	ND	0.50	"
Acetone	ND	1.0	"
Acrolein	ND	1.0	"
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	1.0	"
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 BI80152 - EPA 5035A

Blank (BI80152-BLK2)

Prepared & Analyzed: 09/06/2018

n-Propylbenzene	ND	0.50	mg/kg wet								
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	0.50	"								
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: SURR: 1,2-Dichloroethane-d4	42.6		ug/L	50.0		85.3	77-125				
Surrogate: SURR: Toluene-d8	50.3		"	50.0		101	85-120				
Surrogate: SURR: p-Bromofluorobenzene	58.5		"	50.0		117	76-130				

LCS (BI80152-BS1)

Prepared & Analyzed: 09/06/2018

1,1,1,2-Tetrachloroethane	45.8		ug/L	50.0		91.6	75-129				
1,1,1-Trichloroethane	45.7		"	50.0		91.4	71-137				
1,1,2,2-Tetrachloroethane	50.5		"	50.0		101	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.6		"	50.0		97.1	58-146				
1,1,2-Trichloroethane	45.9		"	50.0		91.8	83-123				
1,1-Dichloroethane	46.6		"	50.0		93.1	75-130				
1,1-Dichloroethylene	44.2		"	50.0		88.4	64-137				
1,2,3-Trichlorobenzene	48.8		"	50.0		97.6	81-140				
1,2,3-Trichloropropane	50.0		"	50.0		99.9	81-126				
1,2,4-Trichlorobenzene	48.7		"	50.0		97.4	80-141				
1,2,4-Trimethylbenzene	51.3		"	50.0		103	84-125				
1,2-Dibromo-3-chloropropane	45.0		"	50.0		90.0	74-142				
1,2-Dibromoethane	47.1		"	50.0		94.2	86-123				
1,2-Dichlorobenzene	49.2		"	50.0		98.5	85-122				
1,2-Dichloroethane	43.1		"	50.0		86.3	71-133				
1,2-Dichloropropane	45.2		"	50.0		90.3	81-122				
1,3,5-Trimethylbenzene	51.2		"	50.0		102	82-126				
1,3-Dichlorobenzene	49.7		"	50.0		99.4	84-124				
1,4-Dichlorobenzene	48.7		"	50.0		97.4	84-124				
1,4-Dioxane	946		"	1050		90.1	10-228				
2-Butanone	45.4		"	50.0		90.7	58-147				
2-Hexanone	43.4		"	50.0		86.8	70-139				
4-Methyl-2-pentanone	41.8		"	50.0		83.7	72-132				
Acetone	45.4		"	50.0		90.8	36-155				
Acrolein	39.3		"	50.0		78.6	10-238				
Acrylonitrile	43.2		"	50.0		86.4	66-141				
Benzene	47.8		"	50.0		95.6	77-127				
Bromochloromethane	42.8		"	50.0		85.5	74-129				
Bromodichloromethane	44.1		"	50.0		88.2	81-124				
Bromoform	44.0		"	50.0		87.9	80-136				



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 BI80152 - EPA 5035A

LCS (BI80152-BS1)

Prepared & Analyzed: 09/06/2018

Bromomethane	46.1		ug/L	50.0		92.2	32-177				
Carbon disulfide	52.2		"	50.0		104	10-136				
Carbon tetrachloride	45.5		"	50.0		91.0	66-143				
Chlorobenzene	46.5		"	50.0		93.0	86-120				
Chloroethane	45.4		"	50.0		90.7	51-142				
Chloroform	45.9		"	50.0		91.8	76-131				
Chloromethane	48.7		"	50.0		97.3	49-132				
cis-1,2-Dichloroethylene	45.8		"	50.0		91.5	74-132				
cis-1,3-Dichloropropylene	47.4		"	50.0		94.7	81-129				
Cyclohexane	51.1		"	50.0		102	70-130				
Dibromochloromethane	47.3		"	50.0		94.5	10-200				
Dibromomethane	43.9		"	50.0		87.8	83-124				
Dichlorodifluoromethane	55.7		"	50.0		111	28-158				
Ethyl Benzene	45.8		"	50.0		91.5	84-125				
Hexachlorobutadiene	49.8		"	50.0		99.7	83-133				
Isopropylbenzene	50.0		"	50.0		100	81-127				
Methyl acetate	41.2		"	50.0		82.3	41-143				
Methyl tert-butyl ether (MTBE)	48.4		"	50.0		96.7	74-131				
Methylcyclohexane	46.9		"	50.0		93.8	70-130				
Methylene chloride	33.9		"	50.0		67.8	57-141				
n-Butylbenzene	57.0		"	50.0		114	80-130				
n-Propylbenzene	50.3		"	50.0		101	74-136				
o-Xylene	46.5		"	50.0		93.1	83-123				
p- & m- Xylenes	91.3		"	100		91.3	82-128				
p-Isopropyltoluene	51.6		"	50.0		103	85-125				
sec-Butylbenzene	53.9		"	50.0		108	83-125				
Styrene	45.0		"	50.0		89.9	86-126				
tert-Butyl alcohol (TBA)	258		"	250		103	70-130				
tert-Butylbenzene	44.2		"	50.0		88.4	80-127				
Tetrachloroethylene	44.2		"	50.0		88.5	80-129				
Toluene	46.9		"	50.0		93.8	85-121				
trans-1,2-Dichloroethylene	45.4		"	50.0		90.8	72-132				
trans-1,3-Dichloropropylene	46.6		"	50.0		93.2	78-132				
Trichloroethylene	47.2		"	50.0		94.4	84-123				
Trichlorofluoromethane	40.5		"	50.0		81.0	62-140				
Vinyl Chloride	52.8		"	50.0		106	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>44.4</i>		<i>"</i>	<i>50.0</i>		<i>88.9</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>58.7</i>		<i>"</i>	<i>50.0</i>		<i>117</i>	<i>76-130</i>				



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 BI80152 - EPA 5035A											
LCS Dup (BI80152-bsd1)										Prepared & Analyzed: 09/06/2018	
1,1,1,2-Tetrachloroethane	46.0		ug/L	50.0		92.0	75-129			0.436	30
1,1,1-Trichloroethane	47.5		"	50.0		95.1	71-137			3.97	30
1,1,2,2-Tetrachloroethane	48.4		"	50.0		96.7	79-129			4.29	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.1		"	50.0		98.3	58-146			1.19	30
1,1,2-Trichloroethane	46.0		"	50.0		92.1	83-123			0.304	30
1,1-Dichloroethane	47.2		"	50.0		94.4	75-130			1.41	30
1,1-Dichloroethylene	44.9		"	50.0		89.7	64-137			1.48	30
1,2,3-Trichlorobenzene	49.9		"	50.0		99.9	81-140			2.33	30
1,2,3-Trichloropropane	48.3		"	50.0		96.6	81-126			3.36	30
1,2,4-Trichlorobenzene	49.2		"	50.0		98.4	80-141			1.04	30
1,2,4-Trimethylbenzene	52.1		"	50.0		104	84-125			1.49	30
1,2-Dibromo-3-chloropropane	43.0		"	50.0		85.9	74-142			4.71	30
1,2-Dibromoethane	46.6		"	50.0		93.1	86-123			1.15	30
1,2-Dichlorobenzene	49.2		"	50.0		98.5	85-122			0.0203	30
1,2-Dichloroethane	45.3		"	50.0		90.7	71-133			5.00	30
1,2-Dichloropropane	45.6		"	50.0		91.2	81-122			0.926	30
1,3,5-Trimethylbenzene	52.1		"	50.0		104	82-126			1.66	30
1,3-Dichlorobenzene	50.3		"	50.0		101	84-124			1.30	30
1,4-Dichlorobenzene	49.3		"	50.0		98.6	84-124			1.20	30
1,4-Dioxane	962		"	1050		91.6	10-228			1.65	30
2-Butanone	42.6		"	50.0		85.2	58-147			6.32	30
2-Hexanone	41.9		"	50.0		83.8	70-139			3.52	30
4-Methyl-2-pentanone	39.7		"	50.0		79.4	72-132			5.30	30
Acetone	38.9		"	50.0		77.9	36-155			15.4	30
Acrolein	36.7		"	50.0		73.4	10-238			6.85	30
Acrylonitrile	40.7		"	50.0		81.4	66-141			5.96	30
Benzene	48.2		"	50.0		96.5	77-127			0.937	30
Bromochloromethane	43.1		"	50.0		86.2	74-129			0.769	30
Bromodichloromethane	44.6		"	50.0		89.1	81-124			1.11	30
Bromoform	43.0		"	50.0		85.9	80-136			2.32	30
Bromomethane	47.1		"	50.0		94.2	32-177			2.19	30
Carbon disulfide	53.4		"	50.0		107	10-136			2.35	30
Carbon tetrachloride	46.2		"	50.0		92.3	66-143			1.44	30
Chlorobenzene	47.3		"	50.0		94.5	86-120			1.58	30
Chloroethane	47.2		"	50.0		94.4	51-142			4.00	30
Chloroform	46.7		"	50.0		93.4	76-131			1.66	30
Chloromethane	49.4		"	50.0		98.7	49-132			1.41	30
cis-1,2-Dichloroethylene	46.2		"	50.0		92.4	74-132			0.892	30
cis-1,3-Dichloropropylene	48.3		"	50.0		96.6	81-129			1.94	30
Cyclohexane	52.0		"	50.0		104	70-130			1.77	30
Dibromochloromethane	47.4		"	50.0		94.7	10-200			0.211	30
Dibromomethane	43.6		"	50.0		87.3	83-124			0.594	30
Dichlorodifluoromethane	57.0		"	50.0		114	28-158			2.36	30
Ethyl Benzene	46.4		"	50.0		92.9	84-125			1.43	30
Hexachlorobutadiene	52.7		"	50.0		105	83-133			5.58	30
Isopropylbenzene	51.1		"	50.0		102	81-127			2.20	30
Methyl acetate	38.5		"	50.0		76.9	41-143			6.73	30
Methyl tert-butyl ether (MTBE)	46.4		"	50.0		92.8	74-131			4.14	30
Methylcyclohexane	48.2		"	50.0		96.4	70-130			2.69	30
Methylene chloride	34.3		"	50.0		68.7	57-141			1.23	30
n-Butylbenzene	58.6		"	50.0		117	80-130			2.85	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 BI80152 - EPA 5035A

LCS Dup (BI80152-BSD1)

Prepared & Analyzed: 09/06/2018

n-Propylbenzene	50.9		ug/L	50.0		102	74-136			1.19	30
o-Xylene	47.5		"	50.0		95.1	83-123			2.13	30
p- & m- Xylenes	93.1		"	100		93.1	82-128			1.94	30
p-Isopropyltoluene	52.9		"	50.0		106	85-125			2.58	30
sec-Butylbenzene	55.2		"	50.0		110	83-125			2.33	30
Styrene	45.4		"	50.0		90.7	86-126			0.886	30
tert-Butyl alcohol (TBA)	238		"	250		95.0	70-130			8.14	30
tert-Butylbenzene	45.0		"	50.0		90.0	80-127			1.79	30
Tetrachloroethylene	45.5		"	50.0		91.1	80-129			2.87	30
Toluene	47.8		"	50.0		95.7	85-121			2.01	30
trans-1,2-Dichloroethylene	46.2		"	50.0		92.4	72-132			1.72	30
trans-1,3-Dichloropropylene	46.8		"	50.0		93.5	78-132			0.386	30
Trichloroethylene	48.4		"	50.0		96.8	84-123			2.53	30
Trichlorofluoromethane	41.7		"	50.0		83.4	62-140			2.87	30
Vinyl Chloride	54.4		"	50.0		109	52-130			2.84	30
Surrogate: SURR: 1,2-Dichloroethane-d4	44.2		"	50.0		88.4	77-125				
Surrogate: SURR: Toluene-d8	50.8		"	50.0		102	85-120				
Surrogate: SURR: p-Bromofluorobenzene	58.4		"	50.0		117	76-130				

Batch BI80193 - EPA 5035A

Blank (BI80193-BLK1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet								
1,1,1-Trichloroethane	ND	0.0050	"								
1,1,2,2-Tetrachloroethane	ND	0.0050	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"								
1,1,2-Trichloroethane	ND	0.0050	"								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,3-Trichlorobenzene	ND	0.0050	"								
1,2,3-Trichloropropane	ND	0.0050	"								
1,2,4-Trichlorobenzene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dibromo-3-chloropropane	ND	0.0050	"								
1,2-Dibromoethane	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,2-Dichloropropane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
2-Hexanone	ND	0.0050	"								
4-Methyl-2-pentanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Acrolein	ND	0.010	"								
Acrylonitrile	ND	0.0050	"								
Benzene	ND	0.0050	"								
Bromochloromethane	ND	0.0050	"								
Bromodichloromethane	ND	0.0050	"								



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 BI80193 - EPA 5035A

Blank (BI80193-BLK1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.025	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								

Surrogate: SURRE: 1,2-Dichloroethane-d4	48.2		ug/L	50.0		96.4	77-125
Surrogate: SURRE: Toluene-d8	49.9		"	50.0		99.7	85-120
Surrogate: SURRE: p-Bromofluorobenzene	59.4		"	50.0		119	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 BI80193 - EPA 5035A

LCS (BI80193-BS1)

Prepared & Analyzed: 09/06/2018

1,1,1,2-Tetrachloroethane	45.1		ug/L	50.0		90.2	75-129			
1,1,1-Trichloroethane	45.2		"	50.0		90.4	71-137			
1,1,2,2-Tetrachloroethane	49.0		"	50.0		98.0	79-129			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47.1		"	50.0		94.1	58-146			
1,1,2-Trichloroethane	45.6		"	50.0		91.1	83-123			
1,1-Dichloroethane	45.3		"	50.0		90.7	75-130			
1,1-Dichloroethylene	42.9		"	50.0		85.7	64-137			
1,2,3-Trichlorobenzene	47.0		"	50.0		94.0	81-140			
1,2,3-Trichloropropane	48.3		"	50.0		96.6	81-126			
1,2,4-Trichlorobenzene	43.4		"	50.0		86.9	80-141			
1,2,4-Trimethylbenzene	48.6		"	50.0		97.2	84-125			
1,2-Dibromo-3-chloropropane	44.8		"	50.0		89.6	74-142			
1,2-Dibromoethane	45.8		"	50.0		91.5	86-123			
1,2-Dichlorobenzene	47.1		"	50.0		94.3	85-122			
1,2-Dichloroethane	42.3		"	50.0		84.5	71-133			
1,2-Dichloropropane	44.1		"	50.0		88.1	81-122			
1,3,5-Trimethylbenzene	49.0		"	50.0		97.9	82-126			
1,3-Dichlorobenzene	46.6		"	50.0		93.2	84-124			
1,4-Dichlorobenzene	45.8		"	50.0		91.6	84-124			
1,4-Dioxane	995		"	1050		94.7	10-228			
2-Butanone	40.7		"	50.0		81.4	58-147			
2-Hexanone	41.7		"	50.0		83.3	70-139			
4-Methyl-2-pentanone	41.8		"	50.0		83.5	72-132			
Acetone	35.2		"	50.0		70.4	36-155			
Acrolein	29.8		"	50.0		59.6	10-238			
Acrylonitrile	42.5		"	50.0		85.1	66-141			
Benzene	46.2		"	50.0		92.5	77-127			
Bromochloromethane	42.8		"	50.0		85.6	74-129			
Bromodichloromethane	43.4		"	50.0		86.8	81-124			
Bromoform	42.9		"	50.0		85.8	80-136			
Bromomethane	44.6		"	50.0		89.1	32-177			
Carbon disulfide	49.4		"	50.0		98.8	10-136			
Carbon tetrachloride	44.3		"	50.0		88.6	66-143			
Chlorobenzene	45.7		"	50.0		91.4	86-120			
Chloroethane	44.3		"	50.0		88.6	51-142			
Chloroform	45.1		"	50.0		90.3	76-131			
Chloromethane	45.5		"	50.0		91.0	49-132			
cis-1,2-Dichloroethylene	44.2		"	50.0		88.5	74-132			
cis-1,3-Dichloropropylene	44.9		"	50.0		89.9	81-129			
Cyclohexane	50.0		"	50.0		100	70-130			
Dibromochloromethane	46.2		"	50.0		92.3	10-200			
Dibromomethane	42.9		"	50.0		85.7	83-124			
Dichlorodifluoromethane	55.8		"	50.0		112	28-158			
Ethyl Benzene	44.6		"	50.0		89.3	84-125			
Hexachlorobutadiene	49.4		"	50.0		98.9	83-133			
Isopropylbenzene	48.4		"	50.0		96.8	81-127			
Methyl acetate	44.8		"	50.0		89.5	41-143			
Methyl tert-butyl ether (MTBE)	47.3		"	50.0		94.7	74-131			
Methylcyclohexane	46.2		"	50.0		92.5	70-130			
Methylene chloride	32.7		"	50.0		65.3	57-141			
n-Butylbenzene	52.6		"	50.0		105	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
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Batch BI80193 - EPA 5035A

LCS (BI80193-BS1)

Prepared & Analyzed: 09/06/2018

n-Propylbenzene	48.0		ug/L	50.0		96.0	74-136				
o-Xylene	46.0		"	50.0		91.9	83-123				
p- & m- Xylenes	88.8		"	100		88.8	82-128				
p-Isopropyltoluene	49.2		"	50.0		98.3	85-125				
sec-Butylbenzene	52.5		"	50.0		105	83-125				
Styrene	43.9		"	50.0		87.8	86-126				
tert-Butyl alcohol (TBA)	247		"	250		98.6	70-130				
tert-Butylbenzene	42.9		"	50.0		85.9	80-127				
Tetrachloroethylene	43.4		"	50.0		86.7	80-129				
Toluene	45.4		"	50.0		90.7	85-121				
trans-1,2-Dichloroethylene	43.8		"	50.0		87.6	72-132				
trans-1,3-Dichloropropylene	43.7		"	50.0		87.4	78-132				
Trichloroethylene	45.9		"	50.0		91.7	84-123				
Trichlorofluoromethane	40.4		"	50.0		80.9	62-140				
Vinyl Chloride	47.4		"	50.0		94.7	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	43.8		"	50.0		87.7	77-125				
Surrogate: SURR: Toluene-d8	49.6		"	50.0		99.2	85-120				
Surrogate: SURR: p-Bromofluorobenzene	57.7		"	50.0		115	76-130				

LCS Dup (BI80193-BS1)

Prepared & Analyzed: 09/06/2018

1,1,1,2-Tetrachloroethane	42.8		ug/L	50.0		85.6	75-129		5.24	30	
1,1,1-Trichloroethane	43.3		"	50.0		86.6	71-137		4.23	30	
1,1,2,2-Tetrachloroethane	50.7		"	50.0		101	79-129		3.43	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.2		"	50.0		90.4	58-146		4.08	30	
1,1,2-Trichloroethane	46.0		"	50.0		92.1	83-123		1.03	30	
1,1-Dichloroethane	43.9		"	50.0		87.8	75-130		3.25	30	
1,1-Dichloroethylene	42.0		"	50.0		83.9	64-137		2.17	30	
1,2,3-Trichlorobenzene	45.0		"	50.0		90.1	81-140		4.24	30	
1,2,3-Trichloropropane	51.9		"	50.0		104	81-126		7.15	30	
1,2,4-Trichlorobenzene	41.1		"	50.0		82.3	80-141		5.46	30	
1,2,4-Trimethylbenzene	45.0		"	50.0		89.9	84-125		7.80	30	
1,2-Dibromo-3-chloropropane	52.0		"	50.0		104	74-142		14.8	30	
1,2-Dibromoethane	48.2		"	50.0		96.3	86-123		5.15	30	
1,2-Dichlorobenzene	44.6		"	50.0		89.1	85-122		5.60	30	
1,2-Dichloroethane	43.2		"	50.0		86.5	71-133		2.27	30	
1,2-Dichloropropane	43.0		"	50.0		86.0	81-122		2.44	30	
1,3,5-Trimethylbenzene	44.9		"	50.0		89.7	82-126		8.76	30	
1,3-Dichlorobenzene	43.7		"	50.0		87.4	84-124		6.40	30	
1,4-Dichlorobenzene	42.8		"	50.0		85.5	84-124		6.82	30	
1,4-Dioxane	1120		"	1050		107	10-228		12.2	30	
2-Butanone	48.3		"	50.0		96.6	58-147		17.0	30	
2-Hexanone	47.2		"	50.0		94.3	70-139		12.4	30	
4-Methyl-2-pentanone	46.5		"	50.0		93.0	72-132		10.8	30	
Acetone	39.4		"	50.0		78.8	36-155		11.4	30	
Acrolein	32.3		"	50.0		64.6	10-238		8.12	30	
Acrylonitrile	48.1		"	50.0		96.2	66-141		12.3	30	
Benzene	44.7		"	50.0		89.4	77-127		3.43	30	
Bromochloromethane	41.9		"	50.0		83.8	74-129		2.15	30	
Bromodichloromethane	41.3		"	50.0		82.5	81-124		5.03	30	
Bromoform	44.8		"	50.0		89.6	80-136		4.36	30	
Bromomethane	42.4		"	50.0		84.8	32-177		5.04	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 BI80193 - EPA 5035A

LCS Dup (BI80193-bsd1)

Prepared & Analyzed: 09/06/2018

Carbon disulfide	48.3		ug/L	50.0		96.7	10-136		2.23	30	
Carbon tetrachloride	42.5		"	50.0		85.0	66-143		4.15	30	
Chlorobenzene	43.2		"	50.0		86.5	86-120		5.49	30	
Chloroethane	41.5		"	50.0		83.0	51-142		6.50	30	
Chloroform	43.8		"	50.0		87.5	76-131		3.13	30	
Chloromethane	45.2		"	50.0		90.5	49-132		0.639	30	
cis-1,2-Dichloroethylene	43.0		"	50.0		86.1	74-132		2.77	30	
cis-1,3-Dichloropropylene	44.5		"	50.0		89.0	81-129		1.01	30	
Cyclohexane	48.9		"	50.0		97.8	70-130		2.37	30	
Dibromochloromethane	45.7		"	50.0		91.5	10-200		0.958	30	
Dibromomethane	44.4		"	50.0		88.9	83-124		3.57	30	
Dichlorodifluoromethane	55.0		"	50.0		110	28-158		1.39	30	
Ethyl Benzene	42.1		"	50.0		84.1	84-125		5.95	30	
Hexachlorobutadiene	44.9		"	50.0		89.8	83-133		9.67	30	
Isopropylbenzene	45.0		"	50.0		89.9	81-127		7.41	30	
Methyl acetate	50.2		"	50.0		100	41-143		11.4	30	
Methyl tert-butyl ether (MTBE)	48.8		"	50.0		97.6	74-131		3.00	30	
Methylcyclohexane	43.9		"	50.0		87.8	70-130		5.15	30	
Methylene chloride	31.8		"	50.0		63.5	57-141		2.86	30	
n-Butylbenzene	48.6		"	50.0		97.2	80-130		7.90	30	
n-Propylbenzene	44.4		"	50.0		88.7	74-136		7.92	30	
o-Xylene	43.0		"	50.0		86.1	83-123		6.54	30	
p- & m- Xylenes	83.5		"	100		83.5	82-128		6.21	30	
p-Isopropyltoluene	45.2		"	50.0		90.5	85-125		8.30	30	
sec-Butylbenzene	48.4		"	50.0		96.8	83-125		8.11	30	
Styrene	41.7		"	50.0		83.4	86-126	Low Bias	5.14	30	
tert-Butyl alcohol (TBA)	304		"	250		122	70-130		20.9	30	
tert-Butylbenzene	39.8		"	50.0		79.6	80-127	Low Bias	7.64	30	
Tetrachloroethylene	40.0		"	50.0		80.1	80-129		7.96	30	
Toluene	43.3		"	50.0		86.7	85-121		4.55	30	
trans-1,2-Dichloroethylene	42.4		"	50.0		84.9	72-132		3.18	30	
trans-1,3-Dichloropropylene	43.0		"	50.0		86.0	78-132		1.66	30	
Trichloroethylene	43.7		"	50.0		87.5	84-123		4.73	30	
Trichlorofluoromethane	37.1		"	50.0		74.2	62-140		8.62	30	
Vinyl Chloride	46.4		"	50.0		92.9	52-130		1.98	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	46.4		"	50.0		92.7	77-125				
Surrogate: SURR: Toluene-d8	49.5		"	50.0		99.0	85-120				
Surrogate: SURR: p-Bromofluorobenzene	57.4		"	50.0		115	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80233 - EPA 5035A

Blank (BI80233-BLK1)

Prepared & Analyzed: 09/07/2018

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



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 BI80233 - EPA 5035A

Blank (BI80233-BLK1)

Prepared & Analyzed: 09/07/2018

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

Surrogate: SURR: 1,2-Dichloroethane-d4	48.2		ug/L	50.0		96.4	77-125				
Surrogate: SURR: Toluene-d8	51.0		"	50.0		102	85-120				
Surrogate: SURR: p-Bromofluorobenzene	57.3		"	50.0		115	76-130				

LCS (BI80233-BS1)

Prepared & Analyzed: 09/07/2018

1,1,1,2-Tetrachloroethane	49.9		ug/L	50.0		99.8	75-129				
1,1,1-Trichloroethane	50.9		"	50.0		102	71-137				
1,1,2,2-Tetrachloroethane	54.1		"	50.0		108	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.9		"	50.0		106	58-146				
1,1,2-Trichloroethane	50.8		"	50.0		102	83-123				
1,1-Dichloroethane	50.4		"	50.0		101	75-130				
1,1-Dichloroethylene	49.0		"	50.0		98.0	64-137				
1,2,3-Trichlorobenzene	51.0		"	50.0		102	81-140				
1,2,3-Trichloropropane	54.6		"	50.0		109	81-126				
1,2,4-Trichlorobenzene	50.0		"	50.0		100	80-141				
1,2,4-Trimethylbenzene	53.1		"	50.0		106	84-125				
1,2-Dibromo-3-chloropropane	52.1		"	50.0		104	74-142				
1,2-Dibromoethane	51.5		"	50.0		103	86-123				
1,2-Dichlorobenzene	51.2		"	50.0		102	85-122				
1,2-Dichloroethane	48.0		"	50.0		96.0	71-133				
1,2-Dichloropropane	49.2		"	50.0		98.3	81-122				
1,3,5-Trimethylbenzene	53.1		"	50.0		106	82-126				
1,3-Dichlorobenzene	51.5		"	50.0		103	84-124				
1,4-Dichlorobenzene	50.2		"	50.0		100	84-124				
1,4-Dioxane	1080		"	1050		103	10-228				
2-Butanone	49.7		"	50.0		99.3	58-147				
2-Hexanone	52.0		"	50.0		104	70-139				
4-Methyl-2-pentanone	50.5		"	50.0		101	72-132				
Acetone	44.1		"	50.0		88.2	36-155				
Acrolein	45.1		"	50.0		90.1	10-238				
Acrylonitrile	50.6		"	50.0		101	66-141				
Benzene	50.7		"	50.0		101	77-127				
Bromochloromethane	46.5		"	50.0		92.9	74-129				
Bromodichloromethane	48.1		"	50.0		96.2	81-124				
Bromoform	48.8		"	50.0		97.5	80-136				



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 BI80233 - EPA 5035A

LCS (BI80233-BS1)

Prepared & Analyzed: 09/07/2018

Bromomethane	48.0		ug/L	50.0		95.9	32-177				
Carbon disulfide	54.8		"	50.0		110	10-136				
Carbon tetrachloride	50.4		"	50.0		101	66-143				
Chlorobenzene	51.0		"	50.0		102	86-120				
Chloroethane	49.0		"	50.0		97.9	51-142				
Chloroform	49.6		"	50.0		99.3	76-131				
Chloromethane	47.0		"	50.0		94.1	49-132				
cis-1,2-Dichloroethylene	49.1		"	50.0		98.2	74-132				
cis-1,3-Dichloropropylene	50.8		"	50.0		102	81-129				
Cyclohexane	56.7		"	50.0		113	70-130				
Dibromochloromethane	50.8		"	50.0		102	10-200				
Dibromomethane	49.1		"	50.0		98.2	83-124				
Dichlorodifluoromethane	58.3		"	50.0		117	28-158				
Ethyl Benzene	51.8		"	50.0		104	84-125				
Hexachlorobutadiene	53.4		"	50.0		107	83-133				
Isopropylbenzene	52.4		"	50.0		105	81-127				
Methyl acetate	47.3		"	50.0		94.7	41-143				
Methyl tert-butyl ether (MTBE)	51.7		"	50.0		103	74-131				
Methylcyclohexane	53.3		"	50.0		107	70-130				
Methylene chloride	36.7		"	50.0		73.4	57-141				
n-Butylbenzene	61.5		"	50.0		123	80-130				
n-Propylbenzene	53.0		"	50.0		106	74-136				
o-Xylene	51.5		"	50.0		103	83-123				
p- & m- Xylenes	103		"	100		103	82-128				
p-Isopropyltoluene	54.8		"	50.0		110	85-125				
sec-Butylbenzene	57.6		"	50.0		115	83-125				
Styrene	49.3		"	50.0		98.5	86-126				
tert-Butyl alcohol (TBA)	301		"	250		120	70-130				
tert-Butylbenzene	46.6		"	50.0		93.1	80-127				
Tetrachloroethylene	49.7		"	50.0		99.4	80-129				
Toluene	51.3		"	50.0		103	85-121				
trans-1,2-Dichloroethylene	49.2		"	50.0		98.4	72-132				
trans-1,3-Dichloropropylene	50.2		"	50.0		100	78-132				
Trichloroethylene	51.0		"	50.0		102	84-123				
Trichlorofluoromethane	45.9		"	50.0		91.9	62-140				
Vinyl Chloride	52.6		"	50.0		105	52-130				
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>48.9</i>		<i>"</i>	<i>50.0</i>		<i>97.8</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>54.2</i>		<i>"</i>	<i>50.0</i>		<i>108</i>	<i>76-130</i>				



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 BI80233 - EPA 5035A											
LCS Dup (BI80233-BSD1)										Prepared & Analyzed: 09/07/2018	
1,1,1,2-Tetrachloroethane	48.7		ug/L	50.0		97.4	75-129			2.39	30
1,1,1-Trichloroethane	48.0		"	50.0		95.9	71-137			5.93	30
1,1,2,2-Tetrachloroethane	53.7		"	50.0		107	79-129			0.853	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0		"	50.0		99.9	58-146			5.68	30
1,1,2-Trichloroethane	49.1		"	50.0		98.2	83-123			3.42	30
1,1-Dichloroethane	48.2		"	50.0		96.4	75-130			4.44	30
1,1-Dichloroethylene	46.4		"	50.0		92.8	64-137			5.39	30
1,2,3-Trichlorobenzene	53.0		"	50.0		106	81-140			3.75	30
1,2,3-Trichloropropane	54.6		"	50.0		109	81-126			0.0916	30
1,2,4-Trichlorobenzene	51.8		"	50.0		104	80-141			3.61	30
1,2,4-Trimethylbenzene	53.7		"	50.0		107	84-125			1.16	30
1,2-Dibromo-3-chloropropane	53.0		"	50.0		106	74-142			1.77	30
1,2-Dibromoethane	50.8		"	50.0		102	86-123			1.37	30
1,2-Dichlorobenzene	51.7		"	50.0		103	85-122			1.01	30
1,2-Dichloroethane	48.3		"	50.0		96.5	71-133			0.519	30
1,2-Dichloropropane	47.5		"	50.0		95.0	81-122			3.46	30
1,3,5-Trimethylbenzene	54.5		"	50.0		109	82-126			2.62	30
1,3-Dichlorobenzene	52.4		"	50.0		105	84-124			1.81	30
1,4-Dichlorobenzene	51.2		"	50.0		102	84-124			1.95	30
1,4-Dioxane	1000		"	1050		95.3	10-228			7.32	30
2-Butanone	47.5		"	50.0		95.0	58-147			4.42	30
2-Hexanone	46.6		"	50.0		93.3	70-139			10.8	30
4-Methyl-2-pentanone	46.9		"	50.0		93.8	72-132			7.29	30
Acetone	35.6		"	50.0		71.1	36-155			21.4	30
Acrolein	40.1		"	50.0		80.2	10-238			11.6	30
Acrylonitrile	47.1		"	50.0		94.1	66-141			7.19	30
Benzene	48.8		"	50.0		97.7	77-127			3.78	30
Bromochloromethane	44.2		"	50.0		88.4	74-129			4.96	30
Bromodichloromethane	46.3		"	50.0		92.6	81-124			3.84	30
Bromoform	46.6		"	50.0		93.2	80-136			4.59	30
Bromomethane	48.9		"	50.0		97.8	32-177			1.94	30
Carbon disulfide	52.3		"	50.0		105	10-136			4.78	30
Carbon tetrachloride	48.7		"	50.0		97.4	66-143			3.43	30
Chlorobenzene	49.7		"	50.0		99.5	86-120			2.60	30
Chloroethane	47.6		"	50.0		95.3	51-142			2.73	30
Chloroform	47.9		"	50.0		95.8	76-131			3.59	30
Chloromethane	45.5		"	50.0		91.1	49-132			3.26	30
cis-1,2-Dichloroethylene	47.2		"	50.0		94.3	74-132			4.05	30
cis-1,3-Dichloropropylene	49.8		"	50.0		99.7	81-129			1.83	30
Cyclohexane	53.4		"	50.0		107	70-130			5.96	30
Dibromochloromethane	49.8		"	50.0		99.5	10-200			2.11	30
Dibromomethane	46.8		"	50.0		93.7	83-124			4.71	30
Dichlorodifluoromethane	53.1		"	50.0		106	28-158			9.41	30
Ethyl Benzene	49.9		"	50.0		99.8	84-125			3.76	30
Hexachlorobutadiene	54.3		"	50.0		109	83-133			1.75	30
Isopropylbenzene	53.2		"	50.0		106	81-127			1.57	30
Methyl acetate	44.5		"	50.0		88.9	41-143			6.23	30
Methyl tert-butyl ether (MTBE)	49.0		"	50.0		97.9	74-131			5.46	30
Methylcyclohexane	51.0		"	50.0		102	70-130			4.49	30
Methylene chloride	35.3		"	50.0		70.6	57-141			4.00	30
n-Butylbenzene	62.7		"	50.0		125	80-130			1.93	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								Level	

Batch BI80233 - EPA 5035A

LCS Dup (BI80233-BSD1)

Prepared & Analyzed: 09/07/2018

n-Propylbenzene	54.1		ug/L	50.0		108	74-136			2.07	30
o-Xylene	50.2		"	50.0		100	83-123			2.55	30
p- & m- Xylenes	100		"	100		100	82-128			3.07	30
p-Isopropyltoluene	55.8		"	50.0		112	85-125			1.79	30
sec-Butylbenzene	58.2		"	50.0		116	83-125			1.11	30
Styrene	48.3		"	50.0		96.6	86-126			1.95	30
tert-Butyl alcohol (TBA)	277		"	250		111	70-130			8.18	30
tert-Butylbenzene	47.2		"	50.0		94.4	80-127			1.32	30
Tetrachloroethylene	48.2		"	50.0		96.3	80-129			3.15	30
Toluene	49.7		"	50.0		99.4	85-121			3.21	30
trans-1,2-Dichloroethylene	47.2		"	50.0		94.3	72-132			4.21	30
trans-1,3-Dichloropropylene	48.7		"	50.0		97.3	78-132			3.00	30
Trichloroethylene	49.9		"	50.0		99.9	84-123			2.14	30
Trichlorofluoromethane	44.9		"	50.0		89.8	62-140			2.27	30
Vinyl Chloride	49.8		"	50.0		99.7	52-130			5.33	30
<i>Surrogate: SURR: 1,2-Dichloroethane-d4</i>	<i>47.8</i>		<i>"</i>	<i>50.0</i>		<i>95.5</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>57.2</i>		<i>"</i>	<i>50.0</i>		<i>114</i>	<i>76-130</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80010 - EPA 3510C

Blank (BI80010-BLK1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80010 - EPA 3510C

Blank (BI80010-BLK1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

Surrogate: SURRE: 2-Fluorophenol	17.3		ug/L	50.0		34.7	19.7-63.1				
Surrogate: SURRE: Phenol-d5	11.5		"	50.0		23.0	10.1-41.7				
Surrogate: SURRE: Nitrobenzene-d5	16.5		"	25.0		65.9	50.2-113				
Surrogate: SURRE: 2-Fluorobiphenyl	21.0		"	25.0		83.8	39.9-105				
Surrogate: SURRE: 2,4,6-Tribromophenol	44.4		"	50.0		88.7	39.3-151				
Surrogate: SURRE: Terphenyl-d14	27.2		"	25.0		109	30.7-106				

Blank (BI80010-BLK2)

Prepared: 09/04/2018 Analyzed: 09/05/2018

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80010 - EPA 3510C											
LCS (BI80010-BS1)											
Prepared: 09/04/2018 Analyzed: 09/05/2018											
1,1-Biphenyl	15.0	5.00	ug/L	25.0		60.1	33-95				
1,2,4,5-Tetrachlorobenzene	15.8	5.00	"	25.0		63.2	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	12.5	5.00	"	25.0		50.2	16-141				
2,3,4,6-Tetrachlorophenol	41.6	5.00	"	25.0		167	30-130	High Bias			
2,4,5-Trichlorophenol	18.9	5.00	"	25.0		75.6	32-114				
2,4,6-Trichlorophenol	18.4	5.00	"	25.0		73.5	35-118				
2,4-Dichlorophenol	17.5	5.00	"	25.0		69.9	25-116				
2,4-Dimethylphenol	16.0	5.00	"	25.0		64.2	15-116				
2,4-Dinitrophenol	25.4	5.00	"	25.0		102	10-170				
2,4-Dinitrotoluene	18.9	5.00	"	25.0		75.8	41-128				
2,6-Dinitrotoluene	18.0	5.00	"	25.0		72.0	45-116				
2-Chloronaphthalene	15.2	5.00	"	25.0		60.6	33-112				
2-Chlorophenol	13.7	5.00	"	25.0		54.9	15-120				
2-Methylnaphthalene	15.8	5.00	"	25.0		63.3	24-118				
2-Methylphenol	11.1	5.00	"	25.0		44.5	10-110				
2-Nitroaniline	14.7	5.00	"	25.0		59.0	34-129				
2-Nitrophenol	14.8	5.00	"	25.0		59.3	28-118				
3- & 4-Methylphenols	9.96	5.00	"	25.0		39.8	10-107				
3,3-Dichlorobenzidine	12.9	5.00	"	25.0		51.6	15-187				
3-Nitroaniline	12.3	5.00	"	25.0		49.3	24-134				
4,6-Dinitro-2-methylphenol	20.2	5.00	"	25.0		80.7	10-153				
4-Bromophenyl phenyl ether	14.6	5.00	"	25.0		58.4	34-120				
4-Chloro-3-methylphenol	16.1	5.00	"	25.0		64.4	20-120				
4-Chloroaniline	9.77	5.00	"	25.0		39.1	10-147				
4-Chlorophenyl phenyl ether	19.0	5.00	"	25.0		75.9	27-121				
4-Nitroaniline	11.6	5.00	"	25.0		46.4	13-134				
4-Nitrophenol	7.35	5.00	"	25.0		29.4	10-131				
Acetophenone	13.9	5.00	"	25.0		55.7	25-110				
Aniline	7.18	5.00	"	25.0		28.7	10-117				
Benzaldehyde	11.6	5.00	"	25.0		46.3	29-117				
Benzoic acid	5.38	50.0	"	25.2		21.3	30-130	Low Bias			
Benzyl alcohol	11.3	5.00	"	25.0		45.1	10-117				
Benzyl butyl phthalate	20.7	5.00	"	25.0		82.8	29-133				
Bis(2-chloroethoxy)methane	12.8	5.00	"	25.0		51.1	10-154				
Bis(2-chloroethyl)ether	11.6	5.00	"	25.0		46.2	17-125				
Bis(2-chloroisopropyl)ether	11.5	5.00	"	25.0		46.0	10-139				
Caprolactam	4.23	5.00	"	25.0		16.9	10-137				
Carbazole	16.3	5.00	"	25.0		65.2	42-126				
Dibenzofuran	19.8	5.00	"	25.0		79.4	36-113				
Diethyl phthalate	20.1	5.00	"	25.0		80.4	38-115				
Dimethyl phthalate	18.5	5.00	"	25.0		73.9	38-129				
Di-n-butyl phthalate	16.2	5.00	"	25.0		65.0	31-120				
Di-n-octyl phthalate	20.0	5.00	"	25.0		79.9	21-149				
Diphenylamine	18.0	5.00	"	25.0		72.2	40-140				
Hexachlorocyclopentadiene	13.5	10.0	"	25.0		53.9	10-130				
Isophorone	13.8	5.00	"	25.0		55.4	25-127				
N-nitroso-di-n-propylamine	12.6	5.00	"	25.0		50.4	26-122				
N-Nitrosodiphenylamine	18.7	5.00	"	25.0		74.8	23-149				
Phenol	5.58	5.00	"	25.0		22.3	10-110				
Pyridine	19.1	5.00	"	35.0		54.5	10-90				
Surrogate: SURR: 2-Fluorophenol	16.9		"	50.0		33.8	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80010 - EPA 3510C

LCS (BI80010-BS1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

Surrogate: SURR: Phenol-d5	11.1		ug/L	50.0		22.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	14.4		"	25.0		57.5	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	18.9		"	25.0		75.6	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	40.1		"	50.0		80.3	39.3-151				
Surrogate: SURR: Terphenyl-d14	23.0		"	25.0		92.2	30.7-106				

LCS (BI80010-BS2)

Prepared: 09/04/2018 Analyzed: 09/05/2018

Acenaphthene	0.640	0.0500	ug/L	1.00		64.0	25-116				
Acenaphthylene	0.650	0.0500	"	1.00		65.0	26-116				
Anthracene	0.650	0.0500	"	1.00		65.0	25-123				
Benzo(a)anthracene	0.720	0.0500	"	1.00		72.0	33-125				
Benzo(a)pyrene	0.710	0.0500	"	1.00		71.0	32-132				
Benzo(b)fluoranthene	0.750	0.0500	"	1.00		75.0	22-137				
Benzo(g,h,i)perylene	0.880	0.0500	"	1.00		88.0	10-138				
Benzo(k)fluoranthene	0.730	0.0500	"	1.00		73.0	20-137				
Bis(2-ethylhexyl)phthalate	0.550	0.500	"	1.00		55.0	10-189				
Chrysene	0.680	0.0500	"	1.00		68.0	32-124				
Dibenzo(a,h)anthracene	0.850	0.0500	"	1.00		85.0	16-133				
Fluoranthene	0.830	0.0500	"	1.00		83.0	32-121				
Fluorene	0.720	0.0500	"	1.00		72.0	28-118				
Hexachlorobenzene	0.0500	0.0200	"	1.00		5.00	23-124			Low Bias	
Hexachlorobutadiene	0.610	0.500	"	1.00		61.0	15-123				
Hexachloroethane	0.550	0.500	"	1.00		55.0	18-115				
Indeno(1,2,3-cd)pyrene	0.840	0.0500	"	1.00		84.0	15-135				
Naphthalene	0.670	0.0500	"	1.00		67.0	18-120				
Nitrobenzene	0.840	0.250	"	1.00		84.0	21-121				
N-Nitrosodimethylamine	0.220	0.500	"	1.00		22.0	10-124				
Pentachlorophenol	1.20	0.250	"	1.00		120	10-156				
Phenanthrene	0.730	0.0500	"	1.00		73.0	24-127				
Pyrene	0.650	0.0500	"	1.00		65.0	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80010 - EPA 3510C											
LCS Dup (BI80010-BSD1)											
Prepared: 09/04/2018 Analyzed: 09/05/2018											
1,1-Biphenyl	13.8	5.00	ug/L	25.0		55.1	33-95		8.75	20	
1,2,4,5-Tetrachlorobenzene	14.8	5.00	"	25.0		59.2	26-120		6.54	20	
1,2-Diphenylhydrazine (as Azobenzene)	11.8	5.00	"	25.0		47.2	16-141		6.17	20	
2,3,4,6-Tetrachlorophenol	41.3	5.00	"	25.0		165	30-130	High Bias	0.868	20	
2,4,5-Trichlorophenol	16.3	5.00	"	25.0		65.3	32-114		14.7	20	
2,4,6-Trichlorophenol	16.7	5.00	"	25.0		66.7	35-118		9.70	20	
2,4-Dichlorophenol	15.4	5.00	"	25.0		61.6	25-116		12.7	20	
2,4-Dimethylphenol	14.9	5.00	"	25.0		59.7	15-116		7.23	20	
2,4-Dinitrophenol	23.1	5.00	"	25.0		92.3	10-170		9.65	20	
2,4-Dinitrotoluene	18.3	5.00	"	25.0		73.2	41-128		3.44	20	
2,6-Dinitrotoluene	16.4	5.00	"	25.0		65.4	45-116		9.60	20	
2-Chloronaphthalene	14.0	5.00	"	25.0		55.9	33-112		8.10	20	
2-Chlorophenol	13.5	5.00	"	25.0		54.0	15-120		1.62	20	
2-Methylnaphthalene	14.3	5.00	"	25.0		57.4	24-118		9.81	20	
2-Methylphenol	10.7	5.00	"	25.0		43.0	10-110		3.48	20	
2-Nitroaniline	13.6	5.00	"	25.0		54.6	34-129		7.75	20	
2-Nitrophenol	13.6	5.00	"	25.0		54.4	28-118		8.65	20	
3- & 4-Methylphenols	9.61	5.00	"	25.0		38.4	10-107		3.58	20	
3,3-Dichlorobenzidine	11.8	5.00	"	25.0		47.4	15-187		8.56	20	
3-Nitroaniline	12.1	5.00	"	25.0		48.3	24-134		2.05	20	
4,6-Dinitro-2-methylphenol	19.4	5.00	"	25.0		77.5	10-153		4.05	20	
4-Bromophenyl phenyl ether	14.6	5.00	"	25.0		58.2	34-120		0.206	20	
4-Chloro-3-methylphenol	15.2	5.00	"	25.0		60.8	20-120		5.75	20	
4-Chloroaniline	10.2	5.00	"	25.0		40.7	10-147		4.11	20	
4-Chlorophenyl phenyl ether	16.8	5.00	"	25.0		67.3	27-121		12.0	20	
4-Nitroaniline	11.8	5.00	"	25.0		47.2	13-134		1.80	20	
4-Nitrophenol	9.13	5.00	"	25.0		36.5	10-131		21.6	20	Non-dir.
Acetophenone	13.3	5.00	"	25.0		53.2	25-110		4.48	20	
Aniline	6.95	5.00	"	25.0		27.8	10-117		3.26	20	
Benzaldehyde	13.4	5.00	"	25.0		53.4	29-117		14.2	20	
Benzoic acid	4.79	50.0	"	25.2		19.0	30-130	Low Bias	11.6	20	
Benzyl alcohol	10.9	5.00	"	25.0		43.8	10-117		2.97	20	
Benzyl butyl phthalate	18.2	5.00	"	25.0		72.8	29-133		12.9	20	
Bis(2-chloroethoxy)methane	12.2	5.00	"	25.0		48.8	10-154		4.57	20	
Bis(2-chloroethyl)ether	11.1	5.00	"	25.0		44.3	17-125		4.15	20	
Bis(2-chloroisopropyl)ether	10.5	5.00	"	25.0		42.1	10-139		8.72	20	
Caprolactam	3.66	5.00	"	25.0		14.6	10-137		14.4	20	
Carbazole	16.4	5.00	"	25.0		65.6	42-126		0.550	20	
Dibenzofuran	14.7	5.00	"	25.0		59.0	36-113		29.5	20	Non-dir.
Diethyl phthalate	17.9	5.00	"	25.0		71.8	38-115		11.4	20	
Dimethyl phthalate	16.5	5.00	"	25.0		65.9	38-129		11.5	20	
Di-n-butyl phthalate	15.7	5.00	"	25.0		62.8	31-120		3.38	20	
Di-n-octyl phthalate	17.7	5.00	"	25.0		70.9	21-149		11.9	20	
Diphenylamine	18.0	5.00	"	25.0		72.2	40-140		0.00	20	
Hexachlorocyclopentadiene	11.8	10.0	"	25.0		47.1	10-130		13.4	20	
Isophorone	12.2	5.00	"	25.0		48.7	25-127		12.8	20	
N-nitroso-di-n-propylamine	11.8	5.00	"	25.0		47.2	26-122		6.47	20	
N-Nitrosodiphenylamine	18.4	5.00	"	25.0		73.4	23-149		1.89	20	
Phenol	5.09	5.00	"	25.0		20.4	10-110		9.18	20	
Pyridine	17.0	5.00	"	35.0		48.7	10-90		11.2	20	
Surrogate: SURR: 2-Fluorophenol	17.3		"	50.0		34.5	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80010 - EPA 3510C

LCS Dup (BI80010-bsd1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

Surrogate: SURR: Phenol-d5	10.6		ug/L	50.0		21.2	10.1-41.7				
Surrogate: SURR: Nitrobenzene-d5	13.4		"	25.0		53.7	50.2-113				
Surrogate: SURR: 2-Fluorobiphenyl	17.2		"	25.0		68.8	39.9-105				
Surrogate: SURR: 2,4,6-Tribromophenol	38.1		"	50.0		76.3	39.3-151				
Surrogate: SURR: Terphenyl-d14	22.0		"	25.0		88.2	30.7-106				

Batch BI80113 - EPA 3550C

Blank (BI80113-BLK1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

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



Semivolatile 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 BI80113 - EPA 3550C

Blank (BI80113-BLK1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

Benzyl butyl phthalate	ND	0.0417	mg/kg wet								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	ND	0.0417	"								
Caprolactam	ND	0.0833	"								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Diphenylamine	ND	0.0833	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: SURR: 2-Fluorophenol	1.31		"	1.67		78.5		20-108			
Surrogate: SURR: Phenol-d5	1.23		"	1.67		74.0		23-114			
Surrogate: SURR: Nitrobenzene-d5	0.638		"	0.833		76.5		22-108			
Surrogate: SURR: 2-Fluorobiphenyl	0.610		"	0.833		73.2		21-113			
Surrogate: SURR: 2,4,6-Tribromophenol	1.46		"	1.67		87.5		19-110			
Surrogate: SURR: Terphenyl-d14	0.745		"	0.833		89.4		24-116			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80113 - EPA 3550C

LCS (BI80113-BS1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

1,1-Biphenyl	0.558	0.0417	mg/kg wet	0.833		67.0	18-111				
1,2,4,5-Tetrachlorobenzene	0.591	0.0833	"	0.833		70.9	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.482	0.0417	"	0.833		57.8	17-137				
2,3,4,6-Tetrachlorophenol	1.24	0.0833	"	0.833		149	30-130	High Bias			
2,4,5-Trichlorophenol	0.581	0.0417	"	0.833		69.7	27-118				
2,4,6-Trichlorophenol	0.591	0.0417	"	0.833		70.9	31-120				
2,4-Dichlorophenol	0.621	0.0417	"	0.833		74.5	20-127				
2,4-Dimethylphenol	0.624	0.0417	"	0.833		74.9	14-132				
2,4-Dinitrophenol	0.670	0.0833	"	0.833		80.4	10-171				
2,4-Dinitrotoluene	0.646	0.0417	"	0.833		77.6	34-131				
2,6-Dinitrotoluene	0.641	0.0417	"	0.833		77.0	31-128				
2-Chloronaphthalene	0.545	0.0417	"	0.833		65.4	31-117				
2-Chlorophenol	0.582	0.0417	"	0.833		69.8	33-113				
2-Methylnaphthalene	0.629	0.0417	"	0.833		75.4	12-138				
2-Methylphenol	0.560	0.0417	"	0.833		67.2	10-136				
2-Nitroaniline	0.624	0.0833	"	0.833		74.8	27-132				
2-Nitrophenol	0.631	0.0417	"	0.833		75.7	17-129				
3- & 4-Methylphenols	0.498	0.0417	"	0.833		59.8	29-103				
3,3-Dichlorobenzidine	0.659	0.0417	"	0.833		79.1	22-149				
3-Nitroaniline	0.565	0.0833	"	0.833		67.8	20-133				
4,6-Dinitro-2-methylphenol	0.657	0.0833	"	0.833		78.8	10-143				
4-Bromophenyl phenyl ether	0.575	0.0417	"	0.833		69.0	29-120				
4-Chloro-3-methylphenol	0.592	0.0417	"	0.833		71.1	24-129				
4-Chloroaniline	0.498	0.0417	"	0.833		59.8	10-132				
4-Chlorophenyl phenyl ether	0.566	0.0417	"	0.833		67.9	27-124				
4-Nitroaniline	0.623	0.0833	"	0.833		74.7	16-128				
4-Nitrophenol	0.505	0.0833	"	0.833		60.6	10-141				
Acenaphthene	0.536	0.0417	"	0.833		64.4	30-121				
Acenaphthylene	0.555	0.0417	"	0.833		66.6	30-115				
Acetophenone	0.515	0.0417	"	0.833		61.8	20-112				
Aniline	0.492	0.167	"	0.833		59.0	10-119				
Anthracene	0.623	0.0417	"	0.833		74.8	34-118				
Atrazine	0.645	0.0417	"	0.833		77.4	26-112				
Benzaldehyde	0.620	0.0417	"	0.833		74.4	21-100				
Benzo(a)anthracene	0.637	0.0417	"	0.833		76.4	32-122				
Benzo(a)pyrene	0.641	0.0417	"	0.833		76.9	29-133				
Benzo(b)fluoranthene	0.624	0.0417	"	0.833		74.9	25-133				
Benzo(g,h,i)perylene	0.600	0.0417	"	0.833		72.0	10-143				
Benzo(k)fluoranthene	0.609	0.0417	"	0.833		73.1	25-128				
Benzoic acid	0.557	0.0417	"	0.842		66.2	10-140				
Benzyl alcohol	0.588	0.0417	"	0.833		70.6	30-115				
Benzyl butyl phthalate	0.672	0.0417	"	0.833		80.6	26-126				
Bis(2-chloroethoxy)methane	0.580	0.0417	"	0.833		69.6	19-132				
Bis(2-chloroethyl)ether	0.543	0.0417	"	0.833		65.1	19-125				
Bis(2-chloroisopropyl)ether	0.576	0.0417	"	0.833		69.2	20-135				
Bis(2-ethylhexyl)phthalate	0.693	0.0417	"	0.833		83.1	10-155				
Caprolactam	0.806	0.0833	"	0.833		96.7	10-127				
Carbazole	0.574	0.0417	"	0.833		68.9	35-123				
Chrysene	0.621	0.0417	"	0.833		74.5	32-123				
Dibenzo(a,h)anthracene	0.600	0.0417	"	0.833		72.0	10-136				
Dibenzofuran	0.564	0.0417	"	0.833		67.7	29-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80113 - EPA 3550C

LCS (BI80113-BS1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

Diethyl phthalate	0.568	0.0417	mg/kg wet	0.833		68.2	34-116				
Dimethyl phthalate	0.571	0.0417	"	0.833		68.6	35-124				
Di-n-butyl phthalate	0.594	0.0417	"	0.833		71.3	31-116				
Di-n-octyl phthalate	0.695	0.0417	"	0.833		83.4	26-136				
Diphenylamine	0.673	0.0833	"	0.833		80.8	40-140				
Fluoranthene	0.632	0.0417	"	0.833		75.9	33-122				
Fluorene	0.564	0.0417	"	0.833		67.7	29-123				
Hexachlorobenzene	0.501	0.0417	"	0.833		60.1	21-124				
Hexachlorobutadiene	0.584	0.0417	"	0.833		70.0	10-149				
Hexachlorocyclopentadiene	0.616	0.0417	"	0.833		74.0	10-129				
Hexachloroethane	0.500	0.0417	"	0.833		60.0	28-108				
Indeno(1,2,3-cd)pyrene	0.745	0.0417	"	0.833		89.4	10-135				
Isophorone	0.577	0.0417	"	0.833		69.2	20-132				
Naphthalene	0.616	0.0417	"	0.833		74.0	23-124				
Nitrobenzene	0.548	0.0417	"	0.833		65.7	13-132				
N-Nitrosodimethylamine	0.591	0.0417	"	0.833		71.0	11-129				
N-nitroso-di-n-propylamine	0.481	0.0417	"	0.833		57.8	24-119				
N-Nitrosodiphenylamine	0.706	0.0417	"	0.833		84.7	22-152				
Pentachlorophenol	0.602	0.0417	"	0.833		72.2	10-139				
Phenanthrene	0.616	0.0417	"	0.833		73.9	33-123				
Phenol	0.568	0.0417	"	0.833		68.2	23-115				
Pyrene	0.634	0.0417	"	0.833		76.0	32-130				
Pyridine	0.484	0.167	"	0.833		58.1	10-91				
Surrogate: SURR: 2-Fluorophenol	1.19		"	1.67		71.4	20-108				
Surrogate: SURR: Phenol-d5	1.13		"	1.67		67.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.573		"	0.833		68.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.588		"	0.833		70.6	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.39		"	1.67		83.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.711		"	0.833		85.3	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80115 - EPA 3550C

Blank (BI80115-BLK1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

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



Semivolatile 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 BI80115 - EPA 3550C

Blank (BI80115-BLK1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

Dibenzofuran	ND	0.0417	mg/kg wet								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Diphenylamine	ND	0.0833	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: SURR: 2-Fluorophenol	1.23		"	1.67		73.7		20-108			
Surrogate: SURR: Phenol-d5	1.16		"	1.67		69.3		23-114			
Surrogate: SURR: Nitrobenzene-d5	0.634		"	0.833		76.1		22-108			
Surrogate: SURR: 2-Fluorobiphenyl	0.611		"	0.833		73.3		21-113			
Surrogate: SURR: 2,4,6-Tribromophenol	1.52		"	1.67		90.9		19-110			
Surrogate: SURR: Terphenyl-d14	0.752		"	0.833		90.2		24-116			



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80115 - EPA 3550C

LCS (BI80115-BS1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

1,1-Biphenyl	0.574	0.0417	mg/kg wet	0.833		68.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.596	0.0833	"	0.833		71.6	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.464	0.0417	"	0.833		55.6	17-137				
2,3,4,6-Tetrachlorophenol	1.14	0.0833	"	0.833		137	30-130	High Bias			
2,4,5-Trichlorophenol	0.591	0.0417	"	0.833		71.0	27-118				
2,4,6-Trichlorophenol	0.618	0.0417	"	0.833		74.1	31-120				
2,4-Dichlorophenol	0.699	0.0417	"	0.833		83.8	20-127				
2,4-Dimethylphenol	0.643	0.0417	"	0.833		77.2	14-132				
2,4-Dinitrophenol	0.704	0.0833	"	0.833		84.5	10-171				
2,4-Dinitrotoluene	0.618	0.0417	"	0.833		74.1	34-131				
2,6-Dinitrotoluene	0.620	0.0417	"	0.833		74.4	31-128				
2-Chloronaphthalene	0.554	0.0417	"	0.833		66.5	31-117				
2-Chlorophenol	0.585	0.0417	"	0.833		70.2	33-113				
2-Methylnaphthalene	0.685	0.0417	"	0.833		82.2	12-138				
2-Methylphenol	0.554	0.0417	"	0.833		66.5	10-136				
2-Nitroaniline	0.611	0.0833	"	0.833		73.4	27-132				
2-Nitrophenol	0.682	0.0417	"	0.833		81.9	17-129				
3- & 4-Methylphenols	0.507	0.0417	"	0.833		60.9	29-103				
3,3-Dichlorobenzidine	0.594	0.0417	"	0.833		71.3	22-149				
3-Nitroaniline	0.570	0.0833	"	0.833		68.4	20-133				
4,6-Dinitro-2-methylphenol	0.680	0.0833	"	0.833		81.6	10-143				
4-Bromophenyl phenyl ether	0.598	0.0417	"	0.833		71.7	29-120				
4-Chloro-3-methylphenol	0.631	0.0417	"	0.833		75.7	24-129				
4-Chloroaniline	0.536	0.0417	"	0.833		64.3	10-132				
4-Chlorophenyl phenyl ether	0.595	0.0417	"	0.833		71.4	27-124				
4-Nitroaniline	0.607	0.0833	"	0.833		72.8	16-128				
4-Nitrophenol	0.478	0.0833	"	0.833		57.3	10-141				
Acenaphthene	0.556	0.0417	"	0.833		66.7	30-121				
Acenaphthylene	0.549	0.0417	"	0.833		65.9	30-115				
Acetophenone	0.533	0.0417	"	0.833		64.0	20-112				
Aniline	0.483	0.167	"	0.833		57.9	10-119				
Anthracene	0.606	0.0417	"	0.833		72.7	34-118				
Atrazine	0.636	0.0417	"	0.833		76.3	26-112				
Benzaldehyde	0.615	0.0417	"	0.833		73.8	21-100				
Benzo(a)anthracene	0.606	0.0417	"	0.833		72.7	32-122				
Benzo(a)pyrene	0.628	0.0417	"	0.833		75.4	29-133				
Benzo(b)fluoranthene	0.595	0.0417	"	0.833		71.4	25-133				
Benzo(g,h,i)perylene	0.567	0.0417	"	0.833		68.0	10-143				
Benzo(k)fluoranthene	0.593	0.0417	"	0.833		71.2	25-128				
Benzoic acid	0.566	0.0417	"	0.842		67.3	10-140				
Benzyl alcohol	0.662	0.0417	"	0.833		79.5	30-115				
Benzyl butyl phthalate	0.592	0.0417	"	0.833		71.0	26-126				
Bis(2-chloroethoxy)methane	0.590	0.0417	"	0.833		70.8	19-132				
Bis(2-chloroethyl)ether	0.544	0.0417	"	0.833		65.2	19-125				
Bis(2-chloroisopropyl)ether	0.526	0.0417	"	0.833		63.2	20-135				
Bis(2-ethylhexyl)phthalate	0.627	0.0417	"	0.833		75.2	10-155				
Caprolactam	0.869	0.0833	"	0.833		104	10-127				
Carbazole	0.571	0.0417	"	0.833		68.5	35-123				
Chrysene	0.592	0.0417	"	0.833		71.0	32-123				
Dibenzo(a,h)anthracene	0.546	0.0417	"	0.833		65.6	10-136				
Dibenzofuran	0.577	0.0417	"	0.833		69.2	29-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80115 - EPA 3550C

LCS (BI80115-BS1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

Diethyl phthalate	0.577	0.0417	mg/kg wet	0.833		69.2	34-116				
Dimethyl phthalate	0.584	0.0417	"	0.833		70.0	35-124				
Di-n-butyl phthalate	0.578	0.0417	"	0.833		69.3	31-116				
Di-n-octyl phthalate	0.646	0.0417	"	0.833		77.6	26-136				
Diphenylamine	0.676	0.0833	"	0.833		81.2	40-140				
Fluoranthene	0.622	0.0417	"	0.833		74.6	33-122				
Fluorene	0.591	0.0417	"	0.833		70.9	29-123				
Hexachlorobenzene	0.518	0.0417	"	0.833		62.1	21-124				
Hexachlorobutadiene	0.665	0.0417	"	0.833		79.8	10-149				
Hexachlorocyclopentadiene	0.518	0.0417	"	0.833		62.1	10-129				
Hexachloroethane	0.520	0.0417	"	0.833		62.4	28-108				
Indeno(1,2,3-cd)pyrene	0.564	0.0417	"	0.833		67.7	10-135				
Isophorone	0.578	0.0417	"	0.833		69.4	20-132				
Naphthalene	0.636	0.0417	"	0.833		76.3	23-124				
Nitrobenzene	0.546	0.0417	"	0.833		65.5	13-132				
N-Nitrosodimethylamine	0.604	0.0417	"	0.833		72.4	11-129				
N-nitroso-di-n-propylamine	0.507	0.0417	"	0.833		60.9	24-119				
N-Nitrosodiphenylamine	0.683	0.0417	"	0.833		81.9	22-152				
Pentachlorophenol	0.547	0.0417	"	0.833		65.7	10-139				
Phenanthrene	0.600	0.0417	"	0.833		72.0	33-123				
Phenol	0.549	0.0417	"	0.833		65.9	23-115				
Pyrene	0.584	0.0417	"	0.833		70.1	32-130				
Pyridine	0.425	0.167	"	0.833		51.0	10-91				
Surrogate: SURR: 2-Fluorophenol	1.22		"	1.67		73.5	20-108				
Surrogate: SURR: Phenol-d5	1.14		"	1.67		68.6	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.586		"	0.833		70.3	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.578		"	0.833		69.4	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.46		"	1.67		87.5	19-110				
Surrogate: SURR: Terphenyl-d14	0.655		"	0.833		78.6	24-116				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80114 - EPA 3550C

Blank (BI80114-BLK1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.00660	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								

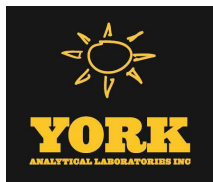
<i>Surrogate: Decachlorobiphenyl</i>	0.0534		"	0.0670		79.7	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0538		"	0.0673		79.9	30-150				

LCS (BI80114-BS1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

4,4'-DDD	0.0357	0.000330	mg/kg wet	0.0333		107	40-140				
4,4'-DDE	0.0278	0.000330	"	0.0333		83.4	40-140				
4,4'-DDT	0.0323	0.000330	"	0.0333		96.9	40-140				
Aldrin	0.0341	0.000330	"	0.0333		102	40-140				
alpha-BHC	0.0367	0.000330	"	0.0333		110	40-140				
alpha-Chlordane	0.0329	0.000330	"	0.0333		98.8	40-140				
beta-BHC	0.0308	0.000330	"	0.0333		92.5	40-140				
delta-BHC	0.0384	0.000330	"	0.0333		115	40-140				
Dieldrin	0.0292	0.000330	"	0.0333		87.5	40-140				
Endosulfan I	0.0367	0.000330	"	0.0333		110	40-140				
Endosulfan II	0.0360	0.000330	"	0.0333		108	40-140				
Endosulfan sulfate	0.0346	0.000330	"	0.0333		104	40-140				
Endrin	0.0343	0.000330	"	0.0333		103	40-140				
Endrin aldehyde	0.0356	0.000330	"	0.0333		107	40-140				
Endrin ketone	0.0346	0.000330	"	0.0333		104	40-140				
gamma-BHC (Lindane)	0.0346	0.000330	"	0.0333		104	40-140				
gamma-Chlordane	0.0324	0.000330	"	0.0333		97.1	40-140				
Heptachlor	0.0324	0.000330	"	0.0333		97.2	40-140				
Heptachlor epoxide	0.0309	0.000330	"	0.0333		92.8	40-140				
Methoxychlor	0.0276	0.00165	"	0.0333		82.8	40-140				

<i>Surrogate: Decachlorobiphenyl</i>	0.0543		"	0.0670		81.1	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0569		"	0.0673		84.5	30-150				



Organochlorine Pesticides by GC/ECD - 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 BI80114 - EPA 3550C

Matrix Spike (BI80114-MS1)	*Source sample: 18H1425-08 (SP13_7-8)						Prepared: 09/05/2018 Analyzed: 09/07/2018				
4,4'-DDD	0.0236	0.00186	mg/kg dry	0.0375	ND	62.8	30-150				
4,4'-DDE	0.0186	0.00186	"	0.0375	ND	49.7	30-150				
4,4'-DDT	0.0208	0.00186	"	0.0375	ND	55.3	30-150				
Aldrin	0.0201	0.00186	"	0.0375	ND	53.4	30-150				
alpha-BHC	0.0233	0.00186	"	0.0375	ND	62.0	30-150				
alpha-Chlordane	0.0233	0.00186	"	0.0375	ND	62.2	30-150				
beta-BHC	0.0231	0.00186	"	0.0375	ND	61.6	30-150				
delta-BHC	0.0242	0.00186	"	0.0375	ND	64.5	30-150				
Dieldrin	0.0199	0.00186	"	0.0375	ND	52.9	30-150				
Endosulfan I	0.0239	0.00186	"	0.0375	ND	63.7	30-150				
Endosulfan II	0.0274	0.00186	"	0.0375	ND	73.1	30-150				
Endosulfan sulfate	0.0276	0.00186	"	0.0375	ND	73.5	30-150				
Endrin	0.0276	0.00186	"	0.0375	ND	73.6	30-150				
Endrin aldehyde	0.0271	0.00186	"	0.0375	ND	72.3	30-150				
Endrin ketone	0.0319	0.00186	"	0.0375	ND	84.9	30-150				
gamma-BHC (Lindane)	0.0237	0.00186	"	0.0375	ND	63.2	30-150				
gamma-Chlordane	0.0218	0.00186	"	0.0375	ND	58.2	30-150				
Heptachlor	0.0225	0.00186	"	0.0375	ND	60.1	30-150				
Heptachlor epoxide	0.0239	0.00186	"	0.0375	ND	63.6	30-150				
Methoxychlor	0.0232	0.00929	"	0.0375	ND	61.7	30-150				
Surrogate: Decachlorobiphenyl	0.0538		"	0.0754		71.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.0417		"	0.0758		55.1	30-150				

Matrix Spike Dup (BI80114-MSD1)	*Source sample: 18H1425-08 (SP13_7-8)						Prepared: 09/05/2018 Analyzed: 09/07/2018				
4,4'-DDD	0.0205	0.00186	mg/kg dry	0.0375	ND	54.6	30-150	13.9	30		
4,4'-DDE	0.0176	0.00186	"	0.0375	ND	46.9	30-150	5.82	30		
4,4'-DDT	0.0174	0.00186	"	0.0375	ND	46.5	30-150	17.3	30		
Aldrin	0.0209	0.00186	"	0.0375	ND	55.8	30-150	4.26	30		
alpha-BHC	0.0235	0.00186	"	0.0375	ND	62.7	30-150	1.13	30		
alpha-Chlordane	0.0232	0.00186	"	0.0375	ND	61.9	30-150	0.540	30		
beta-BHC	0.0223	0.00186	"	0.0375	ND	59.5	30-150	3.40	30		
delta-BHC	0.0235	0.00186	"	0.0375	ND	62.6	30-150	2.96	30		
Dieldrin	0.0192	0.00186	"	0.0375	ND	51.0	30-150	3.65	30		
Endosulfan I	0.0232	0.00186	"	0.0375	ND	61.9	30-150	2.79	30		
Endosulfan II	0.0252	0.00186	"	0.0375	ND	67.3	30-150	8.24	30		
Endosulfan sulfate	0.0243	0.00186	"	0.0375	ND	64.9	30-150	12.5	30		
Endrin	0.0250	0.00186	"	0.0375	ND	66.7	30-150	9.74	30		
Endrin aldehyde	0.0248	0.00186	"	0.0375	ND	66.2	30-150	8.73	30		
Endrin ketone	0.0257	0.00186	"	0.0375	ND	68.5	30-150	21.4	30		
gamma-BHC (Lindane)	0.0236	0.00186	"	0.0375	ND	63.0	30-150	0.262	30		
gamma-Chlordane	0.0216	0.00186	"	0.0375	ND	57.6	30-150	1.03	30		
Heptachlor	0.0226	0.00186	"	0.0375	ND	60.2	30-150	0.299	30		
Heptachlor epoxide	0.0235	0.00186	"	0.0375	ND	62.6	30-150	1.68	30		
Methoxychlor	0.0189	0.00929	"	0.0375	ND	50.5	30-150	20.0	30		
Surrogate: Decachlorobiphenyl	0.0433		"	0.0754		57.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.0463		"	0.0758		61.0	30-150				



Organochlorine Pesticides by GC/ECD - 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 Y8I0711 - BI80157

Performance Mix (Y8I0711-PEM1)

Prepared & Analyzed: 09/06/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.764		"	0.00			0-200				
4,4'-DDT	164		"	200		81.8	0-200				
Endrin	115		"	100		115	0-200				
Endrin aldehyde	1.84		"	0.00			0-200				
Endrin ketone	8.14		"	0.00			0-200				

Performance Mix (Y8I0711-PEM2)

Prepared & Analyzed: 09/06/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.869		"	0.00			0-200				
4,4'-DDT	189		"	200		94.6	0-200				
Endrin	127		"	100		127	0-200				
Endrin aldehyde	2.24		"	0.00			0-200				
Endrin ketone	6.89		"	0.00			0-200				

Batch Y8I1007 - BI80157

Performance Mix (Y8I1007-PEM1)

Prepared & Analyzed: 09/07/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.945		"	0.00			0-200				
4,4'-DDT	198		"	200		98.8	0-200				
Endrin	126		"	100		126	0-200				
Endrin aldehyde	2.29		"	0.00			0-200				
Endrin ketone	6.40		"	0.00			0-200				

Performance Mix (Y8I1007-PEM2)

Prepared & Analyzed: 09/07/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.842		"	0.00			0-200				
4,4'-DDT	193		"	200		96.4	0-200				
Endrin	125		"	100		125	0-200				
Endrin aldehyde	1.70		"	0.00			0-200				
Endrin ketone	6.15		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - 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 BH81620 - EPA SW846-3510C Low Level

Blank (BH81620-BLK1)

Prepared & Analyzed: 08/31/2018

Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.204		"	0.202		101	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.189		"	0.201		94.0	30-120				

LCS (BH81620-BS1)

Prepared & Analyzed: 08/31/2018

Aroclor 1016	1.03	0.0500	ug/L	1.00		103	40-120				
Aroclor 1260	0.981	0.0500	"	1.00		98.1	40-120				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.197		"	0.202		97.5	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.190		"	0.201		94.5	30-120				

LCS Dup (BH81620-BSD1)

Prepared & Analyzed: 08/31/2018

Aroclor 1016	1.06	0.0500	ug/L	1.00		106	40-120	2.81	30		
Aroclor 1260	0.989	0.0500	"	1.00		98.9	40-120	0.792	30		
<i>Surrogate: Tetrachloro-m-xylene</i>	0.200		"	0.202		99.0	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.198		"	0.201		98.5	30-120				

Batch BI80114 - EPA 3550C

Blank (BI80114-BLK2)

Prepared: 09/05/2018 Analyzed: 09/06/2018

Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0640		"	0.0673		95.0	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0547		"	0.0670		81.6	30-140				



Polychlorinated Biphenyls by GC/ECD - 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 BI80114 - EPA 3550C											
LCS (BI80114-BS2)						Prepared: 09/05/2018 Analyzed: 09/06/2018					
Aroclor 1016	0.359	0.0167	mg/kg wet	0.333		108	40-130				
Aroclor 1260	0.342	0.0167	"	0.333		103	40-130				
Surrogate: Tetrachloro-m-xylene	0.0620		"	0.0673		92.1	30-140				
Surrogate: Decachlorobiphenyl	0.0557		"	0.0670		83.1	30-140				
Matrix Spike (BI80114-MS2)						Prepared: 09/05/2018 Analyzed: 09/06/2018					
*Source sample: 18H1425-08 (SP13_7-8)											
Aroclor 1016	0.275	0.0188	mg/kg dry	0.375	ND	73.3	40-140				
Aroclor 1260	0.209	0.0188	"	0.375	ND	55.7	40-140				
Surrogate: Tetrachloro-m-xylene	0.0458		"	0.0758		60.4	30-140				
Surrogate: Decachlorobiphenyl	0.0263		"	0.0754		34.8	30-140				
Matrix Spike Dup (BI80114-MSD2)						Prepared: 09/05/2018 Analyzed: 09/06/2018					
*Source sample: 18H1425-08 (SP13_7-8)											
Aroclor 1016	0.316	0.0188	mg/kg dry	0.375	ND	84.2	40-140		13.8	50	
Aroclor 1260	0.258	0.0188	"	0.375	ND	68.8	40-140		21.1	50	
Surrogate: Tetrachloro-m-xylene	0.0552		"	0.0758		72.8	30-140				
Surrogate: Decachlorobiphenyl	0.0398		"	0.0754		52.7	30-140				



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 BI80253 - EPA 3050B

Blank (BI80253-BLK1)

Prepared & Analyzed: 09/07/2018

Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	0.572	0.500	"								
Potassium	28.5	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	90.5	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.50	"								

Duplicate (BI80253-DUP1)

*Source sample: 18H1425-14 (Stockpile-NW)

Prepared & Analyzed: 09/07/2018

Aluminum	8540	5.37	mg/kg dry		8770				2.67	35	
Antimony	ND	0.537	"		ND					35	
Arsenic	2.88	1.07	"		2.88				0.00952	35	
Barium	99.4	1.07	"		91.1				8.66	35	
Beryllium	ND	0.107	"		ND					35	
Cadmium	0.433	0.322	"		0.423				2.35	35	
Calcium	47400	5.37	"		42100				12.0	35	
Chromium	17.2	0.537	"		16.7				3.18	35	
Cobalt	5.98	0.537	"		6.09				1.95	35	
Copper	17.5	0.537	"		17.7				0.962	35	
Iron	11000	2.15	"		11600				5.22	35	
Lead	56.6	0.537	"		46.5				19.5	35	
Magnesium	5110	5.37	"		3820				28.9	35	
Manganese	198	0.537	"		201				1.36	35	
Nickel	12.0	0.537	"		12.5				4.08	35	
Potassium	1810	5.37	"		1690				6.43	35	
Selenium	ND	1.07	"		ND					35	
Silver	ND	0.537	"		ND					35	
Sodium	199	10.7	"		287				36.1	35	Non-dir.
Thallium	ND	1.07	"		ND					35	
Vanadium	20.5	1.07	"		19.7				3.90	35	
Zinc	154	1.61	"		134				14.1	35	



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

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

Batch BI80253 - EPA 3050B

Matrix Spike (BI80253-MS1)	*Source sample: 18H1425-14 (Stockpile-NW)						Prepared & Analyzed: 09/07/2018				
Aluminum	9710	5.37	mg/kg dry	215	8770	437	75-125	High Bias			
Antimony	8.68	0.537	"	26.8	ND	32.4	75-125	Low Bias			
Arsenic	216	1.07	"	215	2.88	99.3	75-125				
Barium	321	1.07	"	215	91.1	107	75-125				
Beryllium	4.97	0.107	"	5.37	ND	92.7	75-125				
Cadmium	5.72	0.322	"	5.37	0.423	98.8	75-125				
Chromium	38.4	0.537	"	21.5	16.7	101	75-125				
Cobalt	61.7	0.537	"	53.7	6.09	104	75-125				
Copper	48.4	0.537	"	26.8	17.7	114	75-125				
Iron	12900	2.15	"	107	11600	NR	75-125	High Bias			
Lead	108	0.537	"	53.7	46.5	115	75-125				
Magnesium	4390	5.37	"	107	3820	529	75-125	High Bias			
Manganese	284	0.537	"	53.7	201	154	75-125	High Bias			
Nickel	72.1	0.537	"	53.7	12.5	111	75-125				
Potassium	2100	5.37	"	53.7	1690	750	75-125	High Bias			
Selenium	192	1.07	"	215	ND	89.4	75-125				
Silver	1.78	0.537	"	5.37	ND	33.1	75-125	Low Bias			
Sodium	363	10.7	"	107	287	71.4	75-125	Low Bias			
Thallium	208	1.07	"	215	ND	96.8	75-125				
Vanadium	74.4	1.07	"	53.7	19.7	102	75-125				
Zinc	208	1.61	"	53.7	134	137	75-125	High Bias			

Reference (BI80253-SRM1)							Prepared & Analyzed: 09/07/2018				
Aluminum	7440	5.00	mg/kg wet	8360		88.9	39.4-160.5				
Antimony	80.0	0.500	"	75.5		106	25.1-275.7				
Arsenic	158	1.00	"	161		98.3	69.9-132.9				
Barium	246	1.00	"	260		94.8	71.5-136.3				
Beryllium	96.6	0.100	"	97.6		99.0	75.4-138.1				
Cadmium	196	0.300	"	211		93.1	73.3-141.5				
Calcium	4670	5.00	"	4760		98.2	73.7-136.1				
Chromium	128	0.500	"	136		94.3	69.1-143.3				
Cobalt	49.3	0.500	"	48.2		102	74.6-142				
Copper	163	0.500	"	166		98.4	72.7-141.6				
Iron	12700	2.00	"	14100		90.4	35.6-163.9				
Lead	107	0.500	"	111		96.7	70.8-137.1				
Magnesium	2170	5.00	"	2340		92.7	63.6-136.1				
Manganese	229	0.500	"	228		100	75.7-134.3				
Nickel	101	0.500	"	91.9		110	70.7-146.3				
Potassium	2090	5.00	"	2020		103	59.8-140.2				
Selenium	166	1.00	"	191		86.7	67.1-136.8				
Silver	40.9	0.500	"	43.3		94.4	66.5-139.5				
Sodium	315	10.0	"	218		145	40.6-159.8				
Thallium	147	1.00	"	156		94.0	68-136.2				
Vanadium	49.9	1.00	"	56.7		88.0	58.9-141.8				
Zinc	189	1.50	"	199		95.0	69.5-131.1				



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 BI80256 - EPA 3015A

Blank (BI80256-BLK1)

Prepared & Analyzed: 09/07/2018

Aluminum	ND	0.0556	mg/L										
Barium	ND	0.0111	"										
Calcium	ND	0.0556	"										
Chromium	ND	0.00556	"										
Cobalt	ND	0.00556	"										
Copper	ND	0.00556	"										
Iron	ND	0.0222	"										
Lead	ND	0.00556	"										
Magnesium	ND	0.0556	"										
Manganese	ND	0.00556	"										
Nickel	ND	0.00556	"										
Potassium	0.0887	0.0556	"										
Silver	ND	0.00556	"										
Sodium	0.284	0.111	"										
Vanadium	ND	0.0111	"										
Zinc	ND	0.0167	"										

LCS (BI80256-BS1)

Prepared & Analyzed: 09/07/2018

Aluminum	2.08		ug/mL	2.00	104	80-120							
Barium	1.99		"	2.00	99.5	80-120							
Calcium	1.02		"	1.00	102	80-120							
Chromium	0.194		"	0.200	96.9	80-120							
Cobalt	0.493		"	0.500	98.7	80-120							
Copper	0.244		"	0.250	97.4	80-120							
Iron	1.02		"	1.00	102	80-120							
Lead	0.482		"	0.500	96.4	80-120							
Magnesium	1.02		"	1.00	102	80-120							
Manganese	0.504		"	0.500	101	80-120							
Nickel	0.487		"	0.500	97.3	80-120							
Potassium	1.10		"	0.500	220	80-120					High Bias		
Silver	0.0477		"	0.0500	95.4	80-120							
Sodium	1.24		"	1.00	124	80-120					High Bias		
Vanadium	0.477		"	0.500	95.4	80-120							
Zinc	0.467		"	0.500	93.4	80-120							



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

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

Batch BI80256 - EPA 3015A

Duplicate (BI80256-DUP1)	*Source sample: 18H1425-11 (TMW15_083018)						Prepared & Analyzed: 09/07/2018				
Aluminum	0.0749	0.0556	mg/L		0.0680				9.70	20	
Barium	0.0923	0.0111	"		0.0933				1.15	20	
Calcium	179	0.0556	"		180				0.214	20	
Chromium	ND	0.00556	"		ND					20	
Cobalt	ND	0.00556	"		ND					20	
Copper	0.0182	0.00556	"		0.0155				15.9	20	
Iron	0.325	0.0222	"		0.327				0.755	20	
Lead	ND	0.00556	"		ND					20	
Magnesium	359	0.0556	"		360				0.356	20	
Manganese	0.516	0.00556	"		0.516				0.0230	20	
Nickel	ND	0.00556	"		ND					20	
Potassium	139	0.0556	"		138				0.574	20	
Silver	ND	0.00556	"		ND					20	
Sodium	3680	0.111	"		3720				1.28	20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	ND	0.0167	"		ND					20	

Matrix Spike (BI80256-MS1)	*Source sample: 18H1425-11 (TMW15_083018)						Prepared & Analyzed: 09/07/2018				
Aluminum	2.59	0.0556	mg/L	2.22	0.0680	113	75-125				
Barium	2.45	0.0111	"	2.22	0.0933	106	75-125				
Calcium	183	0.0556	"	1.11	180	269	75-125	High Bias			
Chromium	0.236	0.00556	"	0.222	ND	106	75-125				
Cobalt	0.605	0.00556	"	0.556	ND	109	75-125				
Copper	0.373	0.00556	"	0.278	0.0155	129	75-125	High Bias			
Iron	1.57	0.0222	"	1.11	0.327	112	75-125				
Lead	0.572	0.00556	"	0.556	ND	103	75-125				
Magnesium	363	0.0556	"	1.11	360	266	75-125	High Bias			
Manganese	1.12	0.00556	"	0.556	0.516	108	75-125				
Nickel	0.659	0.00556	"	0.556	ND	119	75-125				
Potassium	144	0.0556	"	0.556	138	957	75-125	High Bias			
Silver	0.0597	0.00556	"	0.0556	ND	108	75-125				
Sodium	3730	0.111	"	1.11	3720	643	75-125	High Bias			
Vanadium	0.575	0.0111	"	0.556	ND	104	75-125				
Zinc	0.651	0.0167	"	0.556	ND	117	75-125				



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 BI80258 - EPA 3015A

Blank (BI80258-BLK1)

Prepared & Analyzed: 09/07/2018

Aluminum - Dissolved	ND	0.0556	mg/L										
Barium - Dissolved	ND	0.0111	"										
Calcium - Dissolved	ND	0.0556	"										
Chromium - Dissolved	ND	0.00556	"										
Cobalt - Dissolved	ND	0.00556	"										
Copper - Dissolved	ND	0.00556	"										
Iron - Dissolved	0.0403	0.0222	"										
Lead - Dissolved	ND	0.00556	"										
Magnesium - Dissolved	ND	0.0556	"										
Manganese - Dissolved	ND	0.00556	"										
Nickel - Dissolved	ND	0.00556	"										
Potassium - Dissolved	0.415	0.0556	"										
Silver - Dissolved	ND	0.00556	"										
Sodium - Dissolved	1.25	0.111	"										
Vanadium - Dissolved	ND	0.0111	"										
Zinc - Dissolved	ND	0.0167	"										

LCS (BI80258-BS1)

Prepared & Analyzed: 09/07/2018

Aluminum - Dissolved	2.15		ug/mL	2.00	107	80-120							
Barium - Dissolved	2.13		"	2.00	106	80-120							
Calcium - Dissolved	1.07		"	1.00	107	80-120							
Chromium - Dissolved	0.207		"	0.200	103	80-120							
Cobalt - Dissolved	0.530		"	0.500	106	80-120							
Copper - Dissolved	0.260		"	0.250	104	80-120							
Iron - Dissolved	1.08		"	1.00	108	80-120							
Lead - Dissolved	0.503		"	0.500	101	80-120							
Magnesium - Dissolved	1.09		"	1.00	109	80-120							
Manganese - Dissolved	0.539		"	0.500	108	80-120							
Nickel - Dissolved	0.524		"	0.500	105	80-120							
Potassium - Dissolved	1.33		"	0.500	265	80-120						High Bias	
Silver - Dissolved	0.0520		"	0.0500	104	80-120							
Sodium - Dissolved	1.95		"	1.00	195	80-120						High Bias	
Vanadium - Dissolved	0.509		"	0.500	102	80-120							
Zinc - Dissolved	0.502		"	0.500	100	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 BI80258 - EPA 3015A

Duplicate (BI80258-DUP1)	*Source sample: 18H1425-11 (TMW15_083018)					Prepared & Analyzed: 09/07/2018					
Aluminum - Dissolved	ND	0.0556	mg/L		ND						20
Barium - Dissolved	0.0944	0.0111	"		0.0931				1.40		20
Calcium - Dissolved	181	0.0556	"		179				1.32		20
Chromium - Dissolved	ND	0.00556	"		ND						20
Cobalt - Dissolved	ND	0.00556	"		ND						20
Copper - Dissolved	0.0150	0.00556	"		0.0151				0.757		20
Iron - Dissolved	0.335	0.0222	"		0.281				17.6		20
Lead - Dissolved	ND	0.00556	"		ND						20
Magnesium - Dissolved	363	0.0556	"		357				1.67		20
Manganese - Dissolved	0.519	0.00556	"		0.516				0.727		20
Nickel - Dissolved	ND	0.00556	"		ND						20
Potassium - Dissolved	145	0.0556	"		140				3.07		20
Silver - Dissolved	ND	0.00556	"		ND						20
Sodium - Dissolved	3770	0.111	"		3760				0.295		20
Vanadium - Dissolved	ND	0.0111	"		ND						20
Zinc - Dissolved	ND	0.0167	"		ND						20

Matrix Spike (BI80258-MS1)	*Source sample: 18H1425-11 (TMW15_083018)					Prepared & Analyzed: 09/07/2018					
Barium - Dissolved	2.27	0.0111	mg/L	2.22	0.0931	97.7	75-125				
Chromium - Dissolved	0.218	0.00556	"	0.222	ND	97.9	75-125				
Cobalt - Dissolved	0.555	0.00556	"	0.556	ND	100	75-125				
Copper - Dissolved	0.347	0.00556	"	0.278	0.0151	119	75-125				
Iron - Dissolved	1.39	0.0222	"	1.11	0.281	99.6	75-125				
Lead - Dissolved	0.521	0.00556	"	0.556	ND	93.7	75-125				
Manganese - Dissolved	1.07	0.00556	"	0.556	0.516	99.0	75-125				
Nickel - Dissolved	0.605	0.00556	"	0.556	ND	109	75-125				
Silver - Dissolved	0.0604	0.00556	"	0.0556	ND	109	75-125				
Vanadium - Dissolved	0.531	0.0111	"	0.556	ND	95.6	75-125				
Zinc - Dissolved	0.550	0.0167	"	0.556	ND	98.9	75-125				



Metals by ICP/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					Limit			

Batch BI80260 - EPA 3015A

Blank (BI80260-BLK1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Antimony	ND	0.00111	mg/L										
Arsenic	ND	0.00111	"										
Beryllium	ND	0.00111	"										
Cadmium	ND	0.00111	"										
Selenium	ND	0.00111	"										
Thallium	ND	0.00111	"										

LCS (BI80260-BS1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Antimony	55.6		ug/L	50.0		111	80-120						
Arsenic	52.3		"	50.0		105	80-120						
Beryllium	50.5		"	50.0		101	80-120						
Cadmium	54.5		"	50.0		109	80-120						
Selenium	51.6		"	50.0		103	80-120						
Thallium	56.7		"	50.0		113	80-120						

Duplicate (BI80260-DUP1)

*Source sample: 18H1425-11 (TMW15_083018)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Antimony	ND	0.00111	mg/L		ND							20	
Arsenic	0.00150	0.00111	"		0.00117					25.4		20	Non-dir.
Beryllium	ND	0.00111	"		ND							20	
Cadmium	ND	0.00111	"		ND							20	
Selenium	0.105	0.00111	"		0.105					0.113		20	
Thallium	ND	0.00111	"		ND							20	

Matrix Spike (BI80260-MS1)

*Source sample: 18H1425-11 (TMW15_083018)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Antimony	55.5		ug/L	50.0	0.390	110	75-125						
Arsenic	57.8		"	50.0	1.05	114	75-125						
Beryllium	47.9		"	50.0	0.009	95.9	75-125						
Cadmium	48.4		"	50.0	0.021	96.8	75-125						
Selenium	155		"	50.0	94.6	121	75-125						
Thallium	65.5		"	50.0	0.537	130	75-125			High Bias			



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

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

Batch BI80261 - EPA 3015A

Blank (BI80261-BLK1)

Prepared: 09/07/2018 Analyzed: 09/11/2018

Antimony - Dissolved	ND	0.00111	mg/L								
Arsenic - Dissolved	ND	0.00111	"								
Beryllium - Dissolved	ND	0.00111	"								
Cadmium - Dissolved	ND	0.00111	"								
Selenium - Dissolved	ND	0.00111	"								
Thallium - Dissolved	ND	0.00111	"								

LCS (BI80261-BS1)

Prepared: 09/07/2018 Analyzed: 09/11/2018

Antimony - Dissolved	54.3		ug/L	50.0	109	80-120					
Arsenic - Dissolved	51.3		"	50.0	103	80-120					
Beryllium - Dissolved	48.1		"	50.0	96.3	80-120					
Cadmium - Dissolved	52.6		"	50.0	105	80-120					
Selenium - Dissolved	50.4		"	50.0	101	80-120					
Thallium - Dissolved	54.3		"	50.0	109	80-120					

Duplicate (BI80261-DUP1)

*Source sample: 18H1425-11 (TMW15_083018)

Prepared: 09/07/2018 Analyzed: 09/11/2018

Antimony - Dissolved	ND	0.00111	mg/L	ND						20	
Arsenic - Dissolved	0.00141	0.00111	"	0.00165					15.5	20	
Beryllium - Dissolved	ND	0.00111	"	ND						20	
Cadmium - Dissolved	ND	0.00111	"	ND						20	
Selenium - Dissolved	0.108	0.00111	"	0.114					5.60	20	
Thallium - Dissolved	ND	0.00111	"	ND						20	

Matrix Spike (BI80261-MS1)

*Source sample: 18H1425-11 (TMW15_083018)

Prepared: 09/07/2018 Analyzed: 09/11/2018

Antimony - Dissolved	57.7		ug/L	50.0	0.501	114	75-125				
Arsenic - Dissolved	57.2		"	50.0	1.49	111	75-125				
Beryllium - Dissolved	45.8		"	50.0	0.004	91.5	75-125				
Cadmium - Dissolved	50.6		"	50.0	0.026	101	75-125				
Selenium - Dissolved	173		"	50.0	103	140	75-125	High Bias			
Thallium - Dissolved	54.4		"	50.0	0.545	108	75-125				



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 BI80018 - EPA 7473 water											
Duplicate (BI80018-DUP1)		*Source sample: 18H1425-11 (TMW15_083018)					Prepared & Analyzed: 09/04/2018				
Mercury	ND	0.00020	mg/L		ND					20	
Matrix Spike (BI80018-MS1)		*Source sample: 18H1425-11 (TMW15_083018)					Prepared & Analyzed: 09/04/2018				
Mercury	0.0101		mg/L	0.0100	0.00	101	75-125				
Reference (BI80018-SRM1)							Prepared & Analyzed: 09/04/2018				
Mercury	0.0103		mg/L	0.0100		103	70-130				
Batch BI80019 - EPA 7473 water											
Blank (BI80019-BLK1)							Prepared & Analyzed: 09/04/2018				
Mercury - Dissolved	ND	0.0002000	mg/L								
Reference (BI80019-SRM1)							Prepared & Analyzed: 09/04/2018				
Mercury - Dissolved	0.01108		mg/L	0.0100		111	70-130				
Batch BI80021 - EPA 7473 soil											
Blank (BI80021-BLK1)							Prepared & Analyzed: 09/04/2018				
Mercury	ND	0.0300	mg/kg wet								
Reference (BI80021-SRM1)							Prepared & Analyzed: 09/04/2018				
Mercury	12.308		mg/kg	13.8		89.2	51.4-168.8				



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 BI80027 - Analysis Preparation											
Blank (BI80027-BLK1)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BI80027-BS1)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent	0.439	0.0100	mg/L	0.500		87.8	80-120				
Batch BI80079 - EPA SW846-3060											
Blank (BI80079-BLK1)										Prepared & Analyzed: 09/05/2018	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BI80079-SRM1)										Prepared & Analyzed: 09/05/2018	
Chromium, Hexavalent	34.2		mg/L	76.9		44.5	20.3-212				
Batch BI80100 - Analysis Preparation Soil											
Blank (BI80100-BLK1)										Prepared & Analyzed: 09/05/2018	
Cyanide, total	ND	0.500	mg/kg wet								
Reference (BI80100-SRM1)										Prepared & Analyzed: 09/05/2018	
Cyanide, total	48.1		ug/mL	41.4		116	34.3-167				
Batch BI80161 - EPA SW846-3060											
Blank (BI80161-BLK1)										Prepared & Analyzed: 09/06/2018	
Chromium, Hexavalent	ND	0.500	mg/kg wet								



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 BI80161 - EPA SW846-3060											
Reference (BI80161-SRM1)							Prepared & Analyzed: 09/06/2018				
Chromium, Hexavalent	30.2		mg/L	76.9		39.2	20.3-212				
Batch BI80180 - Analysis Preparation Soil											
Blank (BI80180-BLK1)							Prepared & Analyzed: 09/06/2018				
Cyanide, total	ND	0.500	mg/kg wet								
Reference (BI80180-SRM1)							Prepared & Analyzed: 09/06/2018				
Cyanide, total	37.9		ug/mL	41.4		91.5	34.3-167				
Batch BI80181 - Analysis Preparation											
Blank (BI80181-BLK1)							Prepared & Analyzed: 09/06/2018				
Cyanide, total	ND	0.0100	mg/L								
LCS (BI80181-BS1)							Prepared & Analyzed: 09/06/2018				
Cyanide, total	0.176	0.0100	mg/L	0.200		88.0	76.2-107				
Batch BI80344 - EPA SW846-3060											
Blank (BI80344-BLK1)							Prepared & Analyzed: 09/10/2018				
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BI80344-SRM1)							Prepared & Analyzed: 09/10/2018				
Chromium, Hexavalent	10.8		mg/L	50.0		21.6	0-200				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H1425-01	SP16_0-2	40mL Vial with Stir Bar-Cool 4° C
18H1425-02	SP16_10-11	40mL Vial with Stir Bar-Cool 4° C
18H1425-03	SP15_0-2	40mL Vial with Stir Bar-Cool 4° C
18H1425-04	SP15_10-11	40mL Vial with Stir Bar-Cool 4° C
18H1425-05	SP14_0-2	40mL Vial with Stir Bar-Cool 4° C
18H1425-06	SP14_9-10	40mL Vial with Stir Bar-Cool 4° C
18H1425-07	SP13_0-2	40mL Vial with Stir Bar-Cool 4° C
18H1425-08	SP13_7-8	40mL Vial with Stir Bar-Cool 4° C
18H1425-09	SP12_0-2	40mL Vial with Stir Bar-Cool 4° C
18H1425-10	SP12_6-7	40mL Vial with Stir Bar-Cool 4° C
18H1425-11	TMW15_083018	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1425-12	Stockpile-S	40mL Vial with Stir Bar-Cool 4° C
18H1425-13	Stockpile-NE	40mL Vial with Stir Bar-Cool 4° C
18H1425-14	Stockpile-NW	40mL Vial with Stir Bar-Cool 4° C
18H1425-15	TB03_083018	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

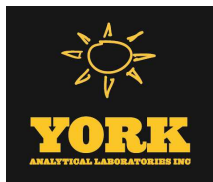


Sample and Data Qualifiers Relating to This Work Order

M-Spk	The spike recovery is not applicable due to the concentration of this element being >10 X the spike 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).
HT-01	This result was reported from an analysis conducted outside of the EPA recommended holding time.
IC-INT	Due to the presence of matrix interference or high levels of target analyte, this sample was run at a dilution.
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).
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.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-CRL	The RL check for this element recovered outside of control limits.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-SRD1	The serial dilution for this element was outside control limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
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.
S-08	The recovery of this surrogate was outside of QC limits.
S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
See attach	See attached
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.



- Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



York Analytical Laboratories, Inc.
 120 Research Drive
 Stratford, CT 06615
 clientservices@yorklab.com
 www.yorklab.com



YOUR INFORMATION

Company: **LANGAN**
 Address: **360 W. 31st St**
8th fl N.Y.C.
 Phone: **(212) 479-5400**
 Contact: **Julia Lewis**
 E-mail: **jlewis@langan.com**

Report To:

Company: **Same**
 Address:
 Phone:
 Contact:
 E-mail:

Invoice To:

Company: **Same**
 Address:
 Phone:
 Contact:
 E-mail:

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)

Field Chain-of-Custody Record

YORK Project No.

18H1425

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

Page **1** of **2**

YOUR PROJECT NUMBER

170502901

YOUR PROJECT NAME

**320 W. Fordham
 Road
 CSX lots**

YOUR PO#:

Turn-Around Time

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

YORK Reg. Comp.

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

Summary Report
 QA Report
 NY ASP A Package
 NY ASP B Package
 Other:

Matrix Codes

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

Samples From

New York
 New Jersey
 Connecticut
 Pennsylvania
 Other

Report / EDD Type (circle selections)

CT RCP
 CT RCP DQA/DUE
 NJDEP Reduced Deliverables
 NJDKQP
 Standard Excel EDD
 EQUIS (Standard)
 NYSDEC EQUIS
 NJDEP SRP HazSite

Sample Identification

SP16-0-2
SP16-10-11
SP15-0-2
SP15-10-11
SP14-0-2
SP14-9-10
SP13-0-2
SP13-7-8
SP12-0-2
SP12-6-7

Date/Time Sampled

8/30/18 0825
8/30/18 0835
8/30/18 1010
8/30/18 1020
8/30/18 1155
8/30/18 1205
8/30/18 1235
8/30/18 1245
8/30/18 1345
8/30/18 1350

Analysis Requested

TCL VOCs SVOCs, PCBs, Pesticides cyanide (TAL methods, hexachlorocyclohexane, trichloroethene)

Container Description

Comments:

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO₃ ___ H₂SO₄ ___ NaOH ___ ZnAc ___
 Ascorbic Acid ___ Other: ___

Samples Relinquished by / Company

8/30/18 310

Langan / York

8/30/18 355

Schnitzler / York

8/30/18 451 pm

Received by / Company

8/30/18 450

Julia Lewis

8/30/18 1855

Schnitzler / York

8/30/18

Samples Relinquished by / Company

8/30/18 1855

TC Miller

8/30/18 1855

2.7



York Analytical Laboratories, Inc.
 120 Research Drive
 Stratford, CT 06615
 clientservices@yorklab.com
 www.yorklab.com



Field Chain-of-Custody Record

YORK Project No.
 18H1425

Page 2 of 2

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:	Lansan	Company:	SAME	Company:	SAME	170502901		RUSH - Next Day	
Address:	360 W. 3151st 8th fl, NY, NY	Address:		Address:		YOUR Project Name		RUSH - Two Day	
Phone:		Phone:		Phone:		320 W. Fordham Road CSX Lots		RUSH - Three Day	
Contact:		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)</p>									
Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.	Container Description			
TMW15-083018	GW	S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other	New York New Jersey Connecticut Pennsylvania Other	Summary Report QA Report NY ASP A Package NY ASP B Package	Compared to the following Regulation(s): (please fill in)	TCL VOCs, SVOCs, PCBs, metals (total and dissolved) inc tri & hex Chrome, NYSDEC target list PFA's.			
Stockpile-S	S		8/30/18 0830			TCL VOCs SVOCs, PCBs, pesticides, metals (cyanide plus hex & trichloro)			
Stockpile-NE	S		8/30/18, 845						
Stockpile-NW	S		8/30/18, 840						
TB03-083018	TB		08/30/18, 1445			TCL VOCs			
<p>Comments:</p> <p>HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___</p>									
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Special Instruction			
[Signature]	8/30/18 355	[Signature]	8/30/18 3pm	[Signature]	8/30/18	Field Filtered Lab to Filter			
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Date/Time			
[Signature]	8/30/18 450	[Signature]	8/30/18	[Signature]	8/30/18	Date/Time			
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Temp. Received at Lab			
[Signature]		[Signature]		[Signature]		2.7 Degrees C			

September 17, 2018

Richard August
York Analytical Labs
120 Research Drive
Stratford, CT 06615

Project Location: 18H1425
Client Job Number:
Project Number: 18H1425
Laboratory Work Order Number: 18I0026

Enclosed are results of analyses for samples received by the laboratory on September 4, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Kerry K. McGee". The signature is written in a cursive style with a large, prominent 'K' and 'M'.

Kerry K. McGee
Project Manager

Table of Contents

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

York Analytical Labs
120 Research Drive
Stratford, CT 06615
ATTN: Richard August

REPORT DATE: 9/17/2018

PURCHASE ORDER NUMBER: 19370

PROJECT NUMBER: 18H1425

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18I0026

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 18H1425

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
18H1425-11	18I0026-01	Water		SOP 434-PFAAS	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SOP 434-PFAAS

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Perfluorooctanesulfonamide (FOS):
B211963-BS1

S-26

Surrogate outside of control limits.

Analyte & Samples(s) Qualified:

d5-NEtFOSAA
B211963-BS1

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

8:2 Fluorotelomersulfonate (8:2 FT)
S027303-CCV2, S027303-CCV3

V-32

Opening calibration verification was within control criteria. Closing calibration verification was outside of criteria and biased on the high side. Re-analysis yielded similar non-conformance, matrix interference confirmed.

Analyte & Samples(s) Qualified:

6:2 Fluorotelomersulfonate (6:2 FT)
S027303-CCV3

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 18H1425

Sample Description:

Work Order: 18I0026

Date Received: 9/4/2018

Field Sample #: 18H1425-11

Sampled: 8/30/2018 13:10

Sample ID: 18I0026-01

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	2.5	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorohexanoic acid (PFHxA)	2.9	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorobutanoic acid (PFBA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorooctanesulfonamide (FOSA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluoropentanoic acid (PFPeA)	4.1	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
6:2 Fluorotelomersulfonate (6:2 FTS)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
8:2 Fluorotelomersulfonate (8:2 FTS)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorooctanoic acid (PFOA)	4.0	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorooctanesulfonic acid (PFOS)	5.1	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
NMeFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
NEtFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorotridecanoic acid (PFTTrDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C-PFHxA	126	70-130	9/14/18 17:56						
13C-PFDA	105	70-130	9/14/18 17:56						
d5-NEtFOSAA	93.4	70-130	9/14/18 17:56						

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 537-SOP 434-PFAAS

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0026-01 [18H1425-11]	B211963	250	1.00	09/12/18

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B211963 - EPA 537										
Blank (B211963-BLK1)										
Prepared: 09/12/18 Analyzed: 09/14/18										
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorobutanoic acid (PFBA)	ND	2.0	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L							
Perfluorooctanesulfonamide (FOSA)	ND	2.0	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L							
6:2 Fluorotelomersulfonate (6:2 FTS)	ND	2.0	ng/L							
8:2 Fluorotelomersulfonate (8:2 FTS)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	10.5		ng/L	12.0		87.9	70-130			
Surrogate: 13C-PFDA	13.1		ng/L	12.0		109	70-130			
Surrogate: d5-NEtFOSAA	58.4		ng/L	48.0		122	70-130			
LCS (B211963-BS1)										
Prepared: 09/12/18 Analyzed: 09/14/18										
Perfluorobutanesulfonic acid (PFBS)	6.88	2.0	ng/L	8.85		77.7	70-130			
Perfluorohexanoic acid (PFHxA)	7.93	2.0	ng/L	10.0		79.3	70-130			
Perfluoroheptanoic acid (PFHpA)	8.49	2.0	ng/L	10.0		84.9	70-130			
Perfluorobutanoic acid (PFBA)	7.68	2.0	ng/L	10.0		76.8	30-110			
Perfluorodecanesulfonic acid (PFDS)	9.69	2.0	ng/L	9.65		100	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	6.94	2.0	ng/L	9.50		73.1	70-130			
Perfluorooctanesulfonamide (FOSA)	2.62	2.0	ng/L	10.0		26.2 *	30-110			L-04
Perfluoropentanoic acid (PFPeA)	7.66	2.0	ng/L	10.0		76.6	70-130			
6:2 Fluorotelomersulfonate (6:2 FTS)	12.3	2.0	ng/L	9.50		130	70-130			
8:2 Fluorotelomersulfonate (8:2 FTS)	11.9	2.0	ng/L	9.60		124	70-130			
Perfluorohexanesulfonic acid (PFHxS)	7.99	2.0	ng/L	9.10		87.8	70-130			
Perfluorooctanoic acid (PFOA)	9.19	2.0	ng/L	10.0		91.9	70-130			
Perfluorooctanesulfonic acid (PFOS)	8.00	2.0	ng/L	9.25		86.5	70-130			
Perfluorononanoic acid (PFNA)	9.09	2.0	ng/L	10.0		90.9	70-130			
Perfluorodecanoic acid (PFDA)	9.63	2.0	ng/L	10.0		96.3	70-130			
NMeFOSAA	9.14	2.0	ng/L	10.0		91.4	70-130			
Perfluoroundecanoic acid (PFUnA)	9.55	2.0	ng/L	10.0		95.5	70-130			
NEtFOSAA	10.8	2.0	ng/L	10.0		108	70-130			
Perfluorododecanoic acid (PFDoA)	9.42	2.0	ng/L	10.0		94.2	70-130			
Perfluorotridecanoic acid (PFTrDA)	9.61	2.0	ng/L	10.0		96.1	70-130			
Perfluorotetradecanoic acid (PFTA)	9.21	2.0	ng/L	10.0		92.1	70-130			
Surrogate: 13C-PFHxA	12.9		ng/L	12.0		107	70-130			
Surrogate: 13C-PFDA	15.1		ng/L	12.0		126	70-130			
Surrogate: d5-NEtFOSAA	69.2		ng/L	48.0		144 *	70-130			S-26

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
S-26	Surrogate outside of control limits.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound.
V-32	Opening calibration verification was within control criteria. Closing calibration verification was outside of criteria and biased on the high side. Re-analysis yielded similar non-conformance, matrix interference confirmed.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

1810026

YORK

Analytical Laboratories, Inc.

8/30/2018

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody York Project No.: 18H1425

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific parameters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com Mail/Fax Hard Copies to: York Analytical at the address below

SENDING LABORATORY:

York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
Phone: 203.325.1371
Fax: 203.357.0166
Contact: York Analytical

RECEIVING LABORATORY:

Con-Test Analytical Laboratory
39 Spruce Street
East Long Meadow, MA 01028
Phone :(413) 525-2332
Fax: (413) 525-6405

Sample ID: 18H1425-11

Matrix: Water

Date Sampled : 08/30/2018 13:10

<u>Analysis Needed</u>	<u>Date Due</u>	<u>Holding Time Expires</u>	<u>Comments</u>
PFAS in Water by EPA 537	09/14/2018 16:30	09/13/2018 13:10	

Containers Supplied:

10_250mL Square Plastic Cool to 4° C (M)	10_250mL Square Plastic Cool to 4° C (N)	10_250mL Square Plastic Cool to 4° C (O)
10_250mL Square Plastic Cool to 4° C (P)	10_250mL Square Plastic Cool to 4° C (Q)	

York Purchase Order No.: 19370

Samples from State of: NY

Deliverables required: NYSDEC ASP B

EDDs required: Client Specific

Data Pkg DUE: 09/28/2018

Chain-of-Custody Information

Tom Gabrielson	8/30/2018	<i>[Signature]</i>	9/4/18 8 AM
Released By York Sample Control	Date	Received By	Date
<i>[Signature]</i>	9/4/18	<i>[Signature]</i>	9/4/18 1215
Received By	Date	Received in Subcontract Lab By	Date
		<i>[Signature]</i> 3.0	

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples _____



con-test[®]
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client York

Received By RAP Date 9/4/18 Time 1215

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 557 Actual Temp - 3.0
 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? _____
 Did COC include all pertinent Information? Client T Analysis T Sampler Name F
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? F On COC? F

Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

18I0026

YORK

Analytical Laboratories, Inc.

9/7/2018

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody Rev. 9/7/18
York Project No.: 18H1425

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific parameters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com Mail/Fax Hard Copies to: York Analytical at the address below

SENDING LABORATORY:

York Analytical Laboratories, Inc.
 120 Research Drive
 Stratford, CT 06615
 Phone: 203.325.1371
 Fax: 203.357.0166
 Contact: York Analytical

RECEIVING LABORATORY:

Con-Test Analytical Laboratory
 39 Spruce Street
 East Long Meadow, MA 01028
 Phone : (413) 525-2332
 Fax: (413) 525-6405

Sample ID: 18H1425-11

Matrix: Water

Date Sampled: 08/30/2018 13:10

<u>Analysis Needed</u>	<u>Date Due</u>	<u>Holding Time Expires</u>	<u>Comments</u>
PFAS in Water by EPA 537	09/14/2018 16:30	09/13/2018 13:10	

Containers Supplied:

10_250mL Square Plastic Cool to 4° C (M) 10_250mL Square Plastic Cool to 4° C (N) 10_250mL Square Plastic Cool to 4° C (O)
 10_250mL Square Plastic Cool to 4° C (P) 10_250mL Square Plastic Cool to 4° C (Q)

York Purchase Order No.: **19370**

Samples from State of: NY

Deliverables required:

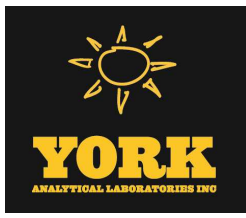
EDDs required: **NYSDEC EQUIS**

Data Pkg DUE:

Chain-of-Custody Information

Tom Gabrielson 9/7/2018

Released By	Date	Received By	Date
Released By York Sample Control			
Received By	Date	Received in Subcontract Lab By	Date



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Julia Leung

Report Date: 09/17/2018

Client Project ID: 170502901

York Project (SDG) No.: 18H1425



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Julia Leung

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 30, 2018 and listed below. The project was identified as your project: **170502901**.

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>
18H1425-01	SP16_0-2	Soil	08/30/2018	08/30/2018
18H1425-02	SP16_10-11	Soil	08/30/2018	08/30/2018
18H1425-03	SP15_0-2	Soil	08/30/2018	08/30/2018
18H1425-04	SP15_10-11	Soil	08/30/2018	08/30/2018
18H1425-05	SP14_0-2	Soil	08/30/2018	08/30/2018
18H1425-06	SP14_9-10	Soil	08/30/2018	08/30/2018
18H1425-07	SP13_0-2	Soil	08/30/2018	08/30/2018
18H1425-08	SP13_7-8	Soil	08/30/2018	08/30/2018
18H1425-09	SP12_0-2	Soil	08/30/2018	08/30/2018
18H1425-10	SP12_6-7	Soil	08/30/2018	08/30/2018
18H1425-11	TMW15_083018	Water	08/30/2018	08/30/2018
18H1425-12	Stockpile-S	Soil	08/30/2018	08/30/2018
18H1425-13	Stockpile-NE	Soil	08/30/2018	08/30/2018
18H1425-14	Stockpile-NW	Soil	08/30/2018	08/30/2018
18H1425-15	TB03_083018	Water	08/30/2018	08/30/2018

General Notes for York Project (SDG) No.: 18H1425

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: 09/17/2018





Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 14:06	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 14:06	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.066	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
67-64-1	Acetone	0.0098	SCAL-E, J	mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
71-43-2	Benzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:25 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
100-42-5	Styrene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0033	0.033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
108-88-3	Toluene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0033	0.0066	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 14:06	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0099	0.020	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 14:06	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	86.7 %	77-125								
2037-26-5	Surrogate: Toluene-d8	107 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	127 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:25 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
62-53-3	Aniline	ND		mg/kg dry	0.211	0.422	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
120-12-7	Anthracene	0.123		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
92-87-5	Benzidine	ND		mg/kg dry	0.211	0.422	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
56-55-3	Benzo(a)anthracene	0.596		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.577		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
205-99-2	Benzo(b)fluoranthene	0.511		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
191-24-2	Benzo(g,h,i)perylene	0.433		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
207-08-9	Benzo(k)fluoranthene	0.520		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
117-81-7	Bis(2-ethylhexyl)phthalate	0.104	J	mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
218-01-9	Chrysene	0.622		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
53-70-3	Dibenzo(a,h)anthracene	0.0817	J	mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.105	0.210	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
206-44-0	Fluoranthene	1.21		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:25 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.427		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
85-01-8	Phenanthrene	0.468		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
108-95-2	Phenol	ND		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
129-00-0	Pyrene	1.15		mg/kg dry	0.0528	0.105	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
110-86-1	Pyridine	ND		mg/kg dry	0.211	0.422	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 18:36	OW
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	23.0 %		20-108							
4165-62-2	Surrogate: Phenol-d5	43.5 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	49.9 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	53.2 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	9.32 %	S-08	19-110							
1718-51-0	Surrogate: Terphenyl-d14	72.2 %		24-116							



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
72-55-9	4,4'-DDE	0.00496		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
309-00-2	Aldrin	0.00298		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:05	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0416	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/07/2018 10:05	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:05	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00208	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.0104	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.105	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:05	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	54.1 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	42.0 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:00	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:00	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:00	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:00	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:00	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:00	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:00	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0210	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 14:00	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	50.5 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	45.8 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9140		mg/kg dry	6.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-36-0	Antimony	ND		mg/kg dry	0.632	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-38-2	Arsenic	5.21		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:25 am	<u>Date Received</u> 08/30/2018
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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
7440-39-3	Barium	78.7		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.126	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.379	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-70-2	Calcium	74300		mg/kg dry	6.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-47-3	Chromium	21.0		mg/kg dry	0.632	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-48-4	Cobalt	6.16		mg/kg dry	0.632	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-50-8	Copper	35.3		mg/kg dry	0.632	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7439-89-6	Iron	14000		mg/kg dry	2.53	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7439-92-1	Lead	54.0		mg/kg dry	0.632	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7439-95-4	Magnesium	14000		mg/kg dry	6.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7439-96-5	Manganese	209		mg/kg dry	0.632	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-02-0	Nickel	17.8	B	mg/kg dry	0.632	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-09-7	Potassium	1970	B	mg/kg dry	6.32	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7782-49-2	Selenium	ND		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-22-4	Silver	ND		mg/kg dry	0.632	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-23-5	Sodium	324	B	mg/kg dry	12.6	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-28-0	Thallium	ND		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-62-2	Vanadium	30.6		mg/kg dry	1.26	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	KML
7440-66-6	Zinc	89.6		mg/kg dry	1.90	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:32	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP16_0-2

York Sample ID: 18H1425-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:25 am

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0412		mg/kg dry	0.0379	1	EPA 7473	09/04/2018 09:35	09/04/2018 10:12	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	79.1		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	0.859		mg/kg dry	0.632	1	EPA 7196A	09/05/2018 09:11	09/05/2018 17:47	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	20.1		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.708		mg/kg dry	0.632	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:35 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 07:30	09/06/2018 20:09	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 07:30	09/06/2018 20:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.080	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:35 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
67-64-1	Acetone	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:35 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0080	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.020	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:35 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:09	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 07:30	09/06/2018 20:09	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	89.3 %	77-125								
2037-26-5	Surrogate: Toluene-d8	104 %	85-120								
460-00-4	Surrogate: p-Bromofluorobenzene	130 %	76-130								

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:35 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
62-53-3	Aniline	ND		mg/kg dry	0.195	0.391	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
92-87-5	Benzidine	ND		mg/kg dry	0.195	0.391	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:35 am	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0976	0.195	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:35 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
108-95-2	Phenol	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0489	0.0976	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW
110-86-1	Pyridine	ND		mg/kg dry	0.195	0.391	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:07	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	60.5 %	20-108
4165-62-2	Surrogate: Phenol-d5	58.6 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	58.9 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	60.5 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	85.9 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	85.1 %	24-116



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:35 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 17:51	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0385	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 17:51	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 17:51	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00193	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00963	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:35 am

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0975	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:51	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	48.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	42.8 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:24	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:24	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:24	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:24	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:24	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:24	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:24	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0195	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 14:24	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	47.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	38.3 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	12200		mg/kg dry	5.87	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-36-0	Antimony	ND		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-38-2	Arsenic	2.02		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:35 am	<u>Date Received</u> 08/30/2018
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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
7440-39-3	Barium	169		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.117	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.352	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-70-2	Calcium	2500		mg/kg dry	5.87	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-47-3	Chromium	17.4		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-48-4	Cobalt	10.2		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-50-8	Copper	21.5		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7439-89-6	Iron	18400		mg/kg dry	2.35	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7439-92-1	Lead	33.6		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7439-95-4	Magnesium	4490		mg/kg dry	5.87	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7439-96-5	Manganese	417		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-02-0	Nickel	13.8	B	mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-09-7	Potassium	4080	B	mg/kg dry	5.87	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7782-49-2	Selenium	ND		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-22-4	Silver	ND		mg/kg dry	0.587	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-23-5	Sodium	1030	B	mg/kg dry	11.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-28-0	Thallium	ND		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-62-2	Vanadium	30.7		mg/kg dry	1.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	KML
7440-66-6	Zinc	51.1		mg/kg dry	1.76	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:39	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
120 RESEARCH DRIVE www.YORKLAB.com	STRATFORD, CT 06615 (203) 325-1371						132-02 89th AVENUE FAX (203) 357-0166	RICHMOND HILL, NY 11418 ClientServices@yorklab.com		



Sample Information

Client Sample ID: SP16_10-11

York Sample ID: 18H1425-02

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:35 am	<u>Date Received</u> 08/30/2018
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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	0.0352	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	09/04/2018 09:35	09/04/2018 10:20	SY

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 Certifications: CTDOH	09/06/2018 22:52	09/07/2018 15:59	AD

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.587	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	09/05/2018 09:11	09/05/2018 17:47	TJD

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	17.4		mg/kg	0.500	1	Calculation Certifications:	09/10/2018 11:44	09/10/2018 12:05	AD

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.611		mg/kg dry	0.587	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 11:48	09/05/2018 17:09	TJM



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:10 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 07:30	09/06/2018 20:37	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/05/2018 07:30	09/06/2018 20:37	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:10 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
67-64-1	Acetone	0.013	SCAL-E	mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:10 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.022	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/05/2018 07:30	09/06/2018 20:37	SS



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 10:10 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 1,1-Biphenyl, 1,2,4,5-Tetrachlorobenzene, 1,2-Diphenylhydrazine, etc.



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:10 am	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
62-53-3	Aniline	ND		mg/kg dry	0.906	1.81	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
120-12-7	Anthracene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
92-87-5	Benzidine	ND		mg/kg dry	0.906	1.81	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:10 am	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
86-74-8	Carbazole	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
218-01-9	Chrysene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.453	0.904	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 10:10 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
78-59-1	Isophorone	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
108-95-2	Phenol	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
129-00-0	Pyrene	ND		mg/kg dry	0.227	0.453	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW
110-86-1	Pyridine	ND		mg/kg dry	0.906	1.81	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 19:37	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	40.8 %	20-108
4165-62-2	Surrogate: Phenol-d5	41.2 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	44.8 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	45.2 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	44.0 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	59.2 %	24-116



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:10 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.00343		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
72-55-9	4,4'-DDE	0.00261		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:20	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0357	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/07/2018 10:20	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
5566-34-7	gamma-Chlordane	0.00384		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:20	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00893	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 10:10 am

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0904	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:20	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	80.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	49.8 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:48	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:48	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:48	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:48	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:48	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:48	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 14:48	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 14:48	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	56.9 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	52.2 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	5330		mg/kg dry	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-36-0	Antimony	ND		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-38-2	Arsenic	4.82		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML





Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

York Project (SDG) No.

Client Project ID

Matrix

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18H1425

170502901

Soil

August 30, 2018 10:10 am

08/30/2018

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
7440-39-3	Barium	40.7		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.326	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-70-2	Calcium	37700		mg/kg dry	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-47-3	Chromium	5.57		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-48-4	Cobalt	8.94		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-50-8	Copper	22.0		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7439-89-6	Iron	10200		mg/kg dry	2.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7439-92-1	Lead	11.3		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7439-95-4	Magnesium	5650		mg/kg dry	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7439-96-5	Manganese	84.9		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-02-0	Nickel	19.3	B	mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-09-7	Potassium	1460	B	mg/kg dry	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-22-4	Silver	ND		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-23-5	Sodium	437	B	mg/kg dry	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-62-2	Vanadium	16.6		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	KML
7440-66-6	Zinc	28.9		mg/kg dry	1.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:41	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP15_0-2

York Sample ID: 18H1425-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 10:10 am

08/30/2018

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	0.0326	1	EPA 7473	09/04/2018 09:35	09/04/2018 10:29	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.1		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.543	1	EPA 7196A	09/05/2018 09:11	09/05/2018 17:47	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	5.57		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	4.55		mg/kg dry	0.543	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:20 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 00:53	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 00:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.039	0.079	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 10:20 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
67-64-1	Acetone	0.0063	CCV-E, SCAL-E, J	mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:20 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0039	0.0079	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.020	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

York Project (SDG) No.

Client Project ID

Matrix

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18H1425

170502901

Soil

August 30, 2018 10:20 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0020	0.0039	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 00:53	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 00:53	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	90.6 %			77-125						
2037-26-5	Surrogate: Toluene-d8	100 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	124 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

York Project (SDG) No.

Client Project ID

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18H1425

170502901

Soil

August 30, 2018 10:20 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
62-53-3	Aniline	ND		mg/kg dry	0.949	1.90	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
120-12-7	Anthracene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
92-87-5	Benzidine	ND		mg/kg dry	0.949	1.90	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

York Project (SDG) No.

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18H1425

170502901

Soil

August 30, 2018 10:20 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
86-74-8	Carbazole	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
218-01-9	Chrysene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.474	0.946	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:20 am	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
86-73-7	Fluorene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
78-59-1	Isophorone	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
108-95-2	Phenol	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
129-00-0	Pyrene	ND		mg/kg dry	0.237	0.474	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW
110-86-1	Pyridine	ND		mg/kg dry	0.949	1.90	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:08	OW

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	Surrogate: 2-Fluorophenol	63.8 %	20-108
4165-62-2	Surrogate: Phenol-d5	59.6 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	60.4 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	65.6 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	74.8 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	75.6 %	24-116



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 10:20 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:35	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0375	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/07/2018 10:35	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:35	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00187	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00937	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 10:20 am

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0948	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:35	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	36.0 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	32.2 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:12	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:12	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:12	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:12	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:12	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:12	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:12	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0189	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 15:12	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	40.1 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	33.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	15100		mg/kg dry	5.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-36-0	Antimony	ND		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-38-2	Arsenic	3.76		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

York Project (SDG) No.

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Matrix

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18H1425

170502901

Soil

August 30, 2018 10:20 am

08/30/2018

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
7440-39-3	Barium	176		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.114	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-43-9	Cadmium	0.371		mg/kg dry	0.342	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-70-2	Calcium	20900		mg/kg dry	5.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-47-3	Chromium	47.5		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-48-4	Cobalt	14.6		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-50-8	Copper	32.4		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7439-89-6	Iron	24900		mg/kg dry	2.28	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7439-92-1	Lead	37.7		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7439-95-4	Magnesium	12300		mg/kg dry	5.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7439-96-5	Manganese	339		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-02-0	Nickel	27.2	B	mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-09-7	Potassium	6870	B	mg/kg dry	5.70	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7782-49-2	Selenium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-22-4	Silver	ND		mg/kg dry	0.570	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-23-5	Sodium	1790	B	mg/kg dry	11.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-28-0	Thallium	ND		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-62-2	Vanadium	60.8		mg/kg dry	1.14	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	KML
7440-66-6	Zinc	86.3		mg/kg dry	1.71	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:43	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP15_10-11

York Sample ID: 18H1425-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 10:20 am

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.170		mg/kg dry	0.0342	1	EPA 7473	09/04/2018 09:35	09/04/2018 10:38	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	87.7		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.570	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	47.5		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.570	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 11:55 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 01:21	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 01:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.084	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 11:55 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
67-64-1	Acetone	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 11:55 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0084	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.021	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 11:55 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:21	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 01:21	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	90.7 %			77-125						
2037-26-5	Surrogate: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	121 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 11:55 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
208-96-8	Acenaphthylene	0.0752	J	mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
62-53-3	Aniline	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
120-12-7	Anthracene	0.0528	J	mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
92-87-5	Benzidine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
56-55-3	Benzo(a)anthracene	0.270		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 11:55 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.218		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
205-99-2	Benzo(b)fluoranthene	0.200		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
191-24-2	Benzo(g,h,i)perylene	0.137		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
207-08-9	Benzo(k)fluoranthene	0.206		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
218-01-9	Chrysene	0.296		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0905	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
206-44-0	Fluoranthene	0.558		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 11:55 am	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.167		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
85-01-8	Phenanthrene	0.328		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
108-95-2	Phenol	ND		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
129-00-0	Pyrene	0.528		mg/kg dry	0.0454	0.0905	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
110-86-1	Pyridine	ND		mg/kg dry	0.181	0.362	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 20:39	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	65.8 %	20-108								
4165-62-2	Surrogate: Phenol-d5	63.4 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	66.8 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	64.0 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	82.6 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	81.9 %	24-116								



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 11:55 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:06	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0357	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 18:06	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:06	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00894	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 11:55 am

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0904	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	50.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	42.0 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:36	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:36	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:36	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:36	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:36	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:36	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 15:36	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0180	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 15:36	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	42.1 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	36.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9610		mg/kg dry	5.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-36-0	Antimony	ND		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-38-2	Arsenic	9.10		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML





Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 11:55 am

08/30/2018

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
7440-39-3	Barium	159		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.108	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.325	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-70-2	Calcium	43700		mg/kg dry	5.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-47-3	Chromium	21.4		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-48-4	Cobalt	9.07		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-50-8	Copper	64.6		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7439-89-6	Iron	19400		mg/kg dry	2.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7439-92-1	Lead	102		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7439-95-4	Magnesium	25100		mg/kg dry	5.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7439-96-5	Manganese	200		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-02-0	Nickel	18.4	B	mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-09-7	Potassium	2670	B	mg/kg dry	5.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7782-49-2	Selenium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-22-4	Silver	ND		mg/kg dry	0.542	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-23-5	Sodium	428	B	mg/kg dry	10.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-28-0	Thallium	ND		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-62-2	Vanadium	29.5		mg/kg dry	1.08	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	KML
7440-66-6	Zinc	159		mg/kg dry	1.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:45	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP14_0-2

York Sample ID: 18H1425-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 11:55 am

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.502		mg/kg dry	0.0325	1	EPA 7473	09/04/2018 09:35	09/04/2018 10:47	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.2		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.542	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	21.4		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	39.4		mg/kg dry	2.17	1	EPA 9014/9010C	09/06/2018 10:56	09/06/2018 14:14	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:05 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 01:50	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 01:50	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.034	0.068	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:05 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
67-64-1	Acetone	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
71-43-2	Benzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:05 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0034	0.0068	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
100-42-5	Styrene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0017	0.017	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
108-88-3	Toluene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0017	0.0034	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 01:50	SS



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:05 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes rows for Vinyl Chloride, Xylenes, Total, and Surrogate Recoveries.

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various chlorophenols and dinitrotoluenes.



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

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18H1425

170502901

Soil

August 30, 2018 12:05 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
62-53-3	Aniline	ND		mg/kg dry	0.207	0.414	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
92-87-5	Benzidine	ND		mg/kg dry	0.207	0.414	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:05 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.103	0.207	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1425

170502901

Soil

August 30, 2018 12:05 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
108-95-2	Phenol	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0518	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW
110-86-1	Pyridine	ND		mg/kg dry	0.207	0.414	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:11	09/06/2018 21:10	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	72.0 %	20-108
4165-62-2	Surrogate: Phenol-d5	71.6 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	68.2 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	67.1 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	86.8 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	78.5 %	24-116





Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:05 pm	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:20	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0407	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 18:20	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:20	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00204	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.0102	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:05 pm

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.103	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:20	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	54.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	47.3 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:00	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:00	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:00	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:00	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:00	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:00	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:00	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0206	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 16:00	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	55.9 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	35.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9880		mg/kg dry	6.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-36-0	Antimony	ND		mg/kg dry	0.620	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-38-2	Arsenic	2.10		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:05 pm

08/30/2018

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
7440-39-3	Barium	66.8		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.124	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.372	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-70-2	Calcium	4880		mg/kg dry	6.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-47-3	Chromium	18.8		mg/kg dry	0.620	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-48-4	Cobalt	9.46		mg/kg dry	0.620	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-50-8	Copper	19.9		mg/kg dry	0.620	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7439-89-6	Iron	18900		mg/kg dry	2.48	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7439-92-1	Lead	7.84		mg/kg dry	0.620	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7439-95-4	Magnesium	6060		mg/kg dry	6.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7439-96-5	Manganese	464		mg/kg dry	0.620	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-02-0	Nickel	23.1	B	mg/kg dry	0.620	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-09-7	Potassium	2980	B	mg/kg dry	6.20	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7782-49-2	Selenium	ND		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-22-4	Silver	ND		mg/kg dry	0.620	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-23-5	Sodium	1300	B	mg/kg dry	12.4	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-28-0	Thallium	ND		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-62-2	Vanadium	23.3		mg/kg dry	1.24	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	KML
7440-66-6	Zinc	45.9		mg/kg dry	1.86	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:47	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP14_9-10

York Sample ID: 18H1425-06

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:05 pm	<u>Date Received</u> 08/30/2018
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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	0.0372	1	EPA 7473	09/04/2018 09:35	09/04/2018 10:56	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	80.6		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.620	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	18.8		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.620	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:35 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 15:03	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 15:03	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.087	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

York Project (SDG) No.

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Collection Date/Time

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18H1425

170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
67-64-1	Acetone	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1425

170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0087	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.022	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

York Project (SDG) No.

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Matrix

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18H1425

170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:03	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 15:03	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	96.9 %			77-125						
2037-26-5	Surrogate: Toluene-d8	110 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	123 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

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170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
62-53-3	Aniline	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
56-55-3	Benzo(a)anthracene	0.234		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.217		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
205-99-2	Benzo(b)fluoranthene	0.193		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
191-24-2	Benzo(g,h,i)perylene	0.158		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
207-08-9	Benzo(k)fluoranthene	0.172		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
218-01-9	Chrysene	0.229		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0910	0.182	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
206-44-0	Fluoranthene	0.311		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1425

170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.161		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
85-01-8	Phenanthrene	0.0872	J	mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
108-95-2	Phenol	ND		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
129-00-0	Pyrene	0.351		mg/kg dry	0.0456	0.0910	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW
110-86-1	Pyridine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 21:40	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	64.2 %	20-108
4165-62-2	Surrogate: Phenol-d5	60.9 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	63.4 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	61.9 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	81.2 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	86.8 %	24-116



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:35 pm	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:50	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0360	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
60-57-1	Dieldrin	0.00204		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/07/2018 10:50	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 10:50	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00900	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB



Sample Information

Client Sample ID: SP13_0-2

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Soil

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0911	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 10:50	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	54.0 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	35.3 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:24	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:24	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:24	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:24	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:24	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:24	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:24	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 16:24	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	53.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	38.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	6730		mg/kg dry	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-36-0	Antimony	ND		mg/kg dry	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-38-2	Arsenic	6.63		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML



Sample Information

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Soil

August 30, 2018 12:35 pm

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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
7440-39-3	Barium	114		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.328	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-70-2	Calcium	61800		mg/kg dry	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-47-3	Chromium	13.2		mg/kg dry	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-48-4	Cobalt	6.39		mg/kg dry	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-50-8	Copper	52.0		mg/kg dry	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7439-89-6	Iron	13400		mg/kg dry	2.19	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7439-92-1	Lead	226		mg/kg dry	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7439-95-4	Magnesium	30100		mg/kg dry	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7439-96-5	Manganese	199		mg/kg dry	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-02-0	Nickel	15.6	B	mg/kg dry	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-09-7	Potassium	1550	B	mg/kg dry	5.47	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7782-49-2	Selenium	5.91		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-22-4	Silver	ND		mg/kg dry	0.547	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-23-5	Sodium	232	B	mg/kg dry	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-62-2	Vanadium	19.2		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	KML
7440-66-6	Zinc	175		mg/kg dry	1.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:49	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP13_0-2

York Sample ID: 18H1425-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:35 pm

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.436		mg/kg dry	0.0328	1	EPA 7473	09/04/2018 09:35	09/04/2018 11:06	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.4		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.547	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	13.2		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.613		mg/kg dry	0.547	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:45 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 02:47	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 02:47	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.038	0.077	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:45 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
67-64-1	Acetone	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
71-43-2	Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:45 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0038	0.0077	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
100-42-5	Styrene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0019	0.019	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
108-88-3	Toluene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:45 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0019	0.0038	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 02:47	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 02:47	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.7 %			77-125						
2037-26-5	Surrogate: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	119 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:45 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
208-96-8	Acenaphthylene	0.0496	J	mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
62-53-3	Aniline	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
56-55-3	Benzo(a)anthracene	0.163		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:45 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.169		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
205-99-2	Benzo(b)fluoranthene	0.169		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
191-24-2	Benzo(g,h,i)perylene	0.107		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
207-08-9	Benzo(k)fluoranthene	0.161		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
218-01-9	Chrysene	0.166		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0940	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
206-44-0	Fluoranthene	0.180		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:45 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.123		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
85-01-8	Phenanthrene	0.0534	J	mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
108-95-2	Phenol	ND		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
129-00-0	Pyrene	0.186		mg/kg dry	0.0471	0.0940	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
110-86-1	Pyridine	ND		mg/kg dry	0.188	0.377	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:11	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	67.6 %	20-108								
4165-62-2	Surrogate: Phenol-d5	62.4 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	63.8 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	64.6 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	84.0 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	83.2 %	24-116								



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 12:45 pm	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:35	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0371	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 18:35	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:35	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00927	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:45 pm

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0939	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:35	LAB
Surrogate Recoveries		Result	Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	60.9 %	30-150							
877-09-8	Surrogate: Tetrachloro-m-xylene	59.5 %	30-150							

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:54	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:54	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:54	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:54	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:54	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:54	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 16:54	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 16:54	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	64.4 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	45.3 %	30-140							

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	7680		mg/kg dry	5.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-36-0	Antimony	ND		mg/kg dry	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-38-2	Arsenic	4.15		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:45 pm

08/30/2018

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
7440-39-3	Barium	95.9		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.113	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-43-9	Cadmium	0.389		mg/kg dry	0.338	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-70-2	Calcium	50500		mg/kg dry	5.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-47-3	Chromium	23.6		mg/kg dry	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-48-4	Cobalt	10.2		mg/kg dry	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-50-8	Copper	46.1		mg/kg dry	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7439-89-6	Iron	16900		mg/kg dry	2.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7439-92-1	Lead	91.0		mg/kg dry	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7439-95-4	Magnesium	16800		mg/kg dry	5.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7439-96-5	Manganese	249		mg/kg dry	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-02-0	Nickel	76.8	B	mg/kg dry	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-09-7	Potassium	1610	B	mg/kg dry	5.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7782-49-2	Selenium	ND		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-22-4	Silver	ND		mg/kg dry	0.564	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-23-5	Sodium	775	B	mg/kg dry	11.3	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-28-0	Thallium	ND		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-62-2	Vanadium	454		mg/kg dry	1.13	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	KML
7440-66-6	Zinc	122		mg/kg dry	1.69	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:51	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP13_7-8

York Sample ID: 18H1425-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 12:45 pm

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.107		mg/kg dry	0.0338	1	EPA 7473	09/04/2018 09:35	09/04/2018 11:15	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.7		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.564	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	23.6		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.564	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:45 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 15:31	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 15:31	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.033	0.067	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:45 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
67-64-1	Acetone	0.0091	SCAL-E	mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
71-43-2	Benzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:45 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0033	0.0067	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
100-42-5	Styrene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0017	0.017	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
108-88-3	Toluene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:45 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0017	0.0033	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 15:31	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0050	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 15:31	SS
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	91.7 %		77-125							
2037-26-5	Surrogate: Toluene-d8	117 %		85-120							
460-00-4	Surrogate: p-Bromofluorobenzene	138 %	S-09	76-130							

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:45 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
208-96-8	Acenaphthylene	0.0845	J	mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
62-53-3	Aniline	ND		mg/kg dry	0.179	0.359	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
120-12-7	Anthracene	0.123		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.359	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
56-55-3	Benzo(a)anthracene	0.386		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:45 pm	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.382		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
205-99-2	Benzo(b)fluoranthene	0.340		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
191-24-2	Benzo(g,h,i)perylene	0.294		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
207-08-9	Benzo(k)fluoranthene	0.403		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
85-68-7	Benzyl butyl phthalate	0.0594	J	mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
117-81-7	Bis(2-ethylhexyl)phthalate	0.198		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
218-01-9	Chrysene	0.411		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
53-70-3	Dibenzo(a,h)anthracene	0.0702	J	mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0896	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
206-44-0	Fluoranthene	0.673		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:45 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.304		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
85-01-8	Phenanthrene	0.345		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
108-95-2	Phenol	ND		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
129-00-0	Pyrene	0.699		mg/kg dry	0.0449	0.0896	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.359	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 22:42	OW
Surrogate Recoveries		Result		Acceptance Range							
367-12-4	Surrogate: 2-Fluorophenol	45.0 %		20-108							
4165-62-2	Surrogate: Phenol-d5	51.8 %		23-114							
4165-60-0	Surrogate: Nitrobenzene-d5	47.9 %		22-108							
321-60-8	Surrogate: 2-Fluorobiphenyl	53.0 %		21-113							
118-79-6	Surrogate: 2,4,6-Tribromophenol	14.0 %	S-08	19-110							
1718-51-0	Surrogate: Terphenyl-d14	75.2 %		24-116							



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:45 pm	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	0.0233		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
72-55-9	4,4'-DDE	0.00377		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
50-29-3	4,4'-DDT	0.00506		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 11:05	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0354	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/07/2018 11:05	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/07/2018 11:05	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00886	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:45 pm

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0896	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/07/2018 11:05	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	61.4 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	34.6 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:18	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:18	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:18	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:18	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:18	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:18	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 17:18	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0179	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 17:18	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	47.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	47.3 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	13000		mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-36-0	Antimony	ND		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-38-2	Arsenic	3.77		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:45 pm	<u>Date Received</u> 08/30/2018
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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
7440-39-3	Barium	60.2		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.322	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-70-2	Calcium	6980		mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-47-3	Chromium	52.5		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-48-4	Cobalt	9.65		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-50-8	Copper	14.5		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7439-89-6	Iron	17600		mg/kg dry	2.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7439-92-1	Lead	71.2		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7439-95-4	Magnesium	7210		mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7439-96-5	Manganese	387		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-02-0	Nickel	27.8	B	mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-09-7	Potassium	3200	B	mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-22-4	Silver	ND		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-23-5	Sodium	762	B	mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-62-2	Vanadium	27.7		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	KML
7440-66-6	Zinc	73.4		mg/kg dry	1.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:53	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP12_0-2

York Sample ID: 18H1425-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:45 pm

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.578		mg/kg dry	0.0322	1	EPA 7473	09/04/2018 09:35	09/04/2018 11:53	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.1		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND	IC-INT	mg/kg dry	1.07	1	EPA 7196A	09/10/2018 09:09	09/10/2018 14:52	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	52.5		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	0.569		mg/kg dry	0.537	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:55 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 03:44	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 03:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.044	0.088	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
78-93-3	2-Butanone	0.0038	J	mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:55 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
67-64-1	Acetone	0.020	CCV-E, SCAL-E	mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:55 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0044	0.0088	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.022	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:55 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0044	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 03:44	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0066	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 03:44	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	92.6 %			77-125						
2037-26-5	Surrogate: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	127 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:55 pm	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
208-96-8	Acenaphthylene	0.216		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
62-53-3	Aniline	ND		mg/kg dry	0.197	0.393	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
120-12-7	Anthracene	0.207		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
92-87-5	Benzidine	ND		mg/kg dry	0.197	0.393	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 1:55 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
56-55-3	Benzo(a)anthracene	0.818		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
50-32-8	Benzo(a)pyrene	0.723		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
205-99-2	Benzo(b)fluoranthene	0.637		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
191-24-2	Benzo(g,h,i)perylene	0.520		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
207-08-9	Benzo(k)fluoranthene	0.648		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
86-74-8	Carbazole	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
218-01-9	Chrysene	0.787		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
53-70-3	Dibenzo(a,h)anthracene	0.136		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0982	0.196	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

York Project (SDG) No.

Client Project ID

Matrix

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18H1425

170502901

Soil

August 30, 2018 1:55 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
206-44-0	Fluoranthene	1.45		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
193-39-5	Indeno(1,2,3-cd)pyrene	0.540		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
85-01-8	Phenanthrene	0.538		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
108-95-2	Phenol	ND		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
129-00-0	Pyrene	1.27		mg/kg dry	0.0492	0.0982	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
110-86-1	Pyridine	ND		mg/kg dry	0.197	0.393	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:12	OW
	Surrogate Recoveries	Result						Acceptance Range			
367-12-4	Surrogate: 2-Fluorophenol	67.3 %						20-108			
4165-62-2	Surrogate: Phenol-d5	63.2 %						23-114			
4165-60-0	Surrogate: Nitrobenzene-d5	61.8 %						22-108			
321-60-8	Surrogate: 2-Fluorobiphenyl	64.0 %						21-113			
118-79-6	Surrogate: 2,4,6-Tribromophenol	81.8 %						19-110			
1718-51-0	Surrogate: Terphenyl-d14	77.7 %						24-116			



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:55 pm	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:50	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0389	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 18:50	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 18:50	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00195	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00973	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

York Project (SDG) No.

Client Project ID

Matrix

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18H1425

170502901

Soil

August 30, 2018 1:55 pm

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0985	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:50	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	54.3 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	49.2 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:06	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0196	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 18:06	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	49.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	34.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	9480		mg/kg dry	5.91	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-36-0	Antimony	ND		mg/kg dry	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-38-2	Arsenic	4.37		mg/kg dry	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:55 pm	<u>Date Received</u> 08/30/2018
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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
7440-39-3	Barium	129		mg/kg dry	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.118	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.354	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-70-2	Calcium	17500		mg/kg dry	5.91	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-47-3	Chromium	26.1		mg/kg dry	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-48-4	Cobalt	7.76		mg/kg dry	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-50-8	Copper	36.4		mg/kg dry	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7439-89-6	Iron	13800		mg/kg dry	2.36	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7439-92-1	Lead	201		mg/kg dry	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7439-95-4	Magnesium	4590		mg/kg dry	5.91	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7439-96-5	Manganese	242		mg/kg dry	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-02-0	Nickel	18.3	B	mg/kg dry	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-09-7	Potassium	1500	B	mg/kg dry	5.91	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7782-49-2	Selenium	ND		mg/kg dry	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-22-4	Silver	ND		mg/kg dry	0.591	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-23-5	Sodium	555	B	mg/kg dry	11.8	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-28-0	Thallium	ND		mg/kg dry	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-62-2	Vanadium	29.2		mg/kg dry	1.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	KML
7440-66-6	Zinc	155		mg/kg dry	1.77	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:55	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP12_6-7

York Sample ID: 18H1425-10

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 1:55 pm	<u>Date Received</u> 08/30/2018
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Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.127		mg/kg dry	0.0354	1	EPA 7473	09/04/2018 09:35	09/04/2018 12:06	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	84.6		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.591	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	26.1		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.591	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 1:10 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 1:10 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
67-64-1	Acetone	1.88	ICV-E	ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 30, 2018 1:10 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 30, 2018 1:10 pm	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:34	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/05/2018 01:34	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	113 %			69-130						
2037-26-5	Surrogate: Toluene-d8	87.5 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	88.1 %			79-122						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 30, 2018 1:10 pm	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
65-85-0	Benzoic acid	ND		ug/L	26.3	52.6	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 1:10 pm

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
122-39-4	Diphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH
110-86-1	Pyridine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/06/2018 22:33	KH

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	28.6 %			19.7-63.1
4165-62-2	Surrogate: Phenol-d5	17.8 %			10.1-41.7
4165-60-0	Surrogate: Nitrobenzene-d5	37.7 %	S-08		50.2-113
321-60-8	Surrogate: 2-Fluorobiphenyl	49.0 %			39.9-105
118-79-6	Surrogate: 2,4,6-Tribromophenol	58.0 %			39.3-151
1718-51-0	Surrogate: Terphenyl-d14	84.4 %			30.7-106

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

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: TMW15_083018

York Sample ID: 18H1425-11

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 30, 2018 1:10 pm	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
120-12-7	Anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.832		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
206-44-0	Fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
86-73-7	Fluorene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
91-20-3	Naphthalene	0.0526		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/04/2018 07:43	09/05/2018 09:43	SR



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 30, 2018 1:10 pm	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR
129-00-0	Pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/04/2018 07:43	09/05/2018 09:43	SR

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/31/2018 10:42	09/04/2018 12:52	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/31/2018 10:42	09/04/2018 12:52	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/31/2018 10:42	09/04/2018 12:52	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/31/2018 10:42	09/04/2018 12:52	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/31/2018 10:42	09/04/2018 12:52	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/31/2018 10:42	09/04/2018 12:52	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0556	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	08/31/2018 10:42	09/04/2018 12:52	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0556	1	EPA 8082A Certifications:	08/31/2018 10:42	09/04/2018 12:52	LAB
Surrogate Recoveries		Result			Acceptance Range					
877-09-8	Surrogate: Tetrachloro-m-xylene	75.7 %			30-120					
2051-24-3	Surrogate: Decachlorobiphenyl	124 %	S-GC		30-120					

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	0.0680		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-39-3	Barium	0.0933		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-70-2	Calcium	180		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 30, 2018 1:10 pm	<u>Date Received</u> 08/30/2018
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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
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-50-8	Copper	0.0155		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7439-89-6	Iron	0.327		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7439-95-4	Magnesium	360		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7439-96-5	Manganese	0.516		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-09-7	Potassium	138	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-23-5	Sodium	3590	B	mg/L	0.556	5	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/10/2018 12:22	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:44	09/07/2018 17:28	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	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-39-3	Barium	0.0931		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-70-2	Calcium	179		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-50-8	Copper	0.0151		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7439-89-6	Iron	0.281	B	mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 1:10 pm

08/30/2018

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
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7439-95-4	Magnesium	357		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7439-96-5	Manganese	0.516		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-09-7	Potassium	140	B	mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-23-5	Sodium	3700	B	mg/L	0.556	5	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/10/2018 12:25	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:47	09/07/2018 17:55	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	ND		mg/L	0.00100	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:50	09/10/2018 13:53	KML
7440-38-2	Arsenic	0.00117		mg/L	0.00100	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:50	09/10/2018 13:53	KML
7440-41-7	Beryllium	ND		mg/L	0.00100	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:50	09/10/2018 13:53	KML
7440-43-9	Cadmium	ND		mg/L	0.00100	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:50	09/10/2018 13:53	KML
7782-49-2	Selenium	0.105		mg/L	0.00100	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:50	09/10/2018 13:53	KML
7440-28-0	Thallium	ND		mg/L	0.00100	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:50	09/10/2018 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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:52	09/11/2018 12:46	KML



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 30, 2018 1:10 pm	<u>Date Received</u> 08/30/2018
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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
7440-38-2	Arsenic	0.00165		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:52	09/11/2018 12:46	KML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:52	09/11/2018 12:46	KML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:52	09/11/2018 12:46	KML
7782-49-2	Selenium	0.114		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:52	09/11/2018 12:46	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:52	09/11/2018 12:46	KML

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	09/04/2018 09:10	09/04/2018 12:48	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	09/04/2018 09:17	09/04/2018 13:49	SY

Chromium, Hexavalent

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
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 10:53	09/04/2018 10:53	TJD

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation Certifications:	09/10/2018 11:48	09/10/2018 17:11	AD

Cyanide, 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
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Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 1:10 pm

08/30/2018

Cyanide, 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
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	09/06/2018 10:59	09/06/2018 16:04	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Analyzed by: Con-Test Analytical Laboratory

PFAS in Water by EPA 537

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
	Perfluoropentanoic acid (PFPeA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
307-24-4	Perfluorohexanoic acid (PFHxA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
375-85-9	Perfluoroheptanoic acid (PFHpA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
335-67-1	Perfluorooctanoic acid (PFOA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
375-95-1	Perfluorononanoic acid (PFNA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
335-76-2	Perfluorodecanoic acid (PFDA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
	NMeFOSAA	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
2058-94-8	Perfluoroundecanoic acid (PFUnA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
	NEtFOSAA	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
307-55-1	Perfluorododecanoic acid (PFDoA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
376-06-7	Perfluorotetradecanoic acid (PFTA)	See attached		ng/L	See attach 1		See attached Certifications:	08/30/2018 13:10		
Surrogate Recoveries		Result	Acceptance Range							
	Surrogate: 13C-PFHxA	%	70-130							
	Surrogate: 13C-PFDA	%	70-130							



Sample Information

Client Sample ID: TMW15_083018

York Sample ID: 18H1425-11

York Project (SDG) No. 18H1425

Client Project ID 170502901

Matrix Water

Collection Date/Time August 30, 2018 1:10 pm

Date Received 08/30/2018

Analyzed by: Con-Test Analytical Laboratory

PFAS in Water by EPA 537

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
	Surrogate: d5-NEtFOSAA	%				70-130				



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 16:00	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 16:00	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.046	0.092	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
67-64-1	Acetone	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0046	0.0092	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0046	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/07/2018 07:30	09/07/2018 16:00	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0069	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/07/2018 07:30	09/07/2018 16:00	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.5 %			77-125						
2037-26-5	Surrogate: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	127 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

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18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
83-32-9	Acenaphthene	0.221		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
208-96-8	Acenaphthylene	0.0693	J	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
62-53-3	Aniline	ND		mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
120-12-7	Anthracene	0.687		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
92-87-5	Benzidine	ND		mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
56-55-3	Benzo(a)anthracene	3.66		mg/kg dry	0.110	0.219	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:22	OW



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

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170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	3.80		mg/kg dry	0.110	0.219	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:22	OW
205-99-2	Benzo(b)fluoranthene	2.66		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
191-24-2	Benzo(g,h,i)perylene	2.08		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
207-08-9	Benzo(k)fluoranthene	2.67		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
117-81-7	Bis(2-ethylhexyl)phthalate	0.177		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
86-74-8	Carbazole	0.278		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
218-01-9	Chrysene	3.74		mg/kg dry	0.110	0.219	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:22	OW
53-70-3	Dibenzo(a,h)anthracene	0.696		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
132-64-9	Dibenzofuran	0.0812	J	mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0876	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
206-44-0	Fluoranthene	6.95		mg/kg dry	0.110	0.219	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:22	OW



Sample Information

Client Sample ID: Stockpile-S

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170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.176		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
193-39-5	Indeno(1,2,3-cd)pyrene	2.21		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
85-01-8	Phenanthrene	2.55		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
108-95-2	Phenol	ND		mg/kg dry	0.0439	0.0876	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
129-00-0	Pyrene	6.53		mg/kg dry	0.110	0.219	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:22	OW
110-86-1	Pyridine	ND		mg/kg dry	0.175	0.351	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/06/2018 23:42	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	59.3 %	20-108								
4165-62-2	Surrogate: Phenol-d5	55.1 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	53.1 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	59.8 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	73.6 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	77.1 %	24-116								



Sample Information

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170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
72-55-9	4,4'-DDE	0.00213		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
50-29-3	4,4'-DDT	0.00737		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 19:05	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0346	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 19:05	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
72-20-8	Endrin	0.00358		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 19:05	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00173	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00865	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB



Sample Information

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Soil

August 30, 2018 8:30 am

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0875	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:05	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	46.1 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	33.8 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:30	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:30	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:30	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:30	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:30	LAB
11097-69-1	Aroclor 1254	0.0705		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:30	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:30	LAB
1336-36-3	* Total PCBs	0.0705		mg/kg dry	0.0175	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 18:30	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	37.1 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	37.3 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	10300		mg/kg dry	5.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-36-0	Antimony	ND		mg/kg dry	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-38-2	Arsenic	2.52		mg/kg dry	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

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
7440-39-3	Barium	115		mg/kg dry	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.105	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-43-9	Cadmium	0.972		mg/kg dry	0.315	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-70-2	Calcium	39800		mg/kg dry	5.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-47-3	Chromium	23.8		mg/kg dry	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-48-4	Cobalt	8.08		mg/kg dry	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-50-8	Copper	23.9		mg/kg dry	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7439-89-6	Iron	14600		mg/kg dry	2.10	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7439-92-1	Lead	80.1		mg/kg dry	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7439-95-4	Magnesium	5110		mg/kg dry	5.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7439-96-5	Manganese	274		mg/kg dry	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-02-0	Nickel	16.2	B	mg/kg dry	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-09-7	Potassium	2230	B	mg/kg dry	5.25	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7782-49-2	Selenium	ND		mg/kg dry	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-22-4	Silver	ND		mg/kg dry	0.525	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-23-5	Sodium	249	B	mg/kg dry	10.5	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-28-0	Thallium	ND		mg/kg dry	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-62-2	Vanadium	25.6		mg/kg dry	1.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	KML
7440-66-6	Zinc	316		mg/kg dry	1.57	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 18:57	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: Stockpile-S

York Sample ID: 18H1425-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:30 am

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.112		mg/kg dry	0.0315	1	EPA 7473	09/04/2018 09:35	09/04/2018 12:14	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	95.2		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.525	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	23.8		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.525	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:45 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 04:41	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 04:41	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.086	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:45 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
67-64-1	Acetone	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:45 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0086	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.022	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:45 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 04:41	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 04:41	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.7 %			77-125						
2037-26-5	Surrogate: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	128 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:45 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
83-32-9	Acenaphthene	0.140		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
208-96-8	Acenaphthylene	0.188		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
62-53-3	Aniline	ND		mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
120-12-7	Anthracene	0.588		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
92-87-5	Benzidine	ND		mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
56-55-3	Benzo(a)anthracene	3.99		mg/kg dry	0.113	0.226	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:53	OW



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:45 am	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	3.64		mg/kg dry	0.113	0.226	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:53	OW
205-99-2	Benzo(b)fluoranthene	2.80		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
191-24-2	Benzo(g,h,i)perylene	2.21		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
207-08-9	Benzo(k)fluoranthene	2.71		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
86-74-8	Carbazole	0.201		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
218-01-9	Chrysene	3.75		mg/kg dry	0.113	0.226	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:53	OW
53-70-3	Dibenzo(a,h)anthracene	0.752		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
132-64-9	Dibenzofuran	0.0700	J	mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0902	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
206-44-0	Fluoranthene	7.16		mg/kg dry	0.113	0.226	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:53	OW



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:45 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.136		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
193-39-5	Indeno(1,2,3-cd)pyrene	2.29		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
91-20-3	Naphthalene	0.0483	J	mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
85-01-8	Phenanthrene	2.09		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
108-95-2	Phenol	ND		mg/kg dry	0.0452	0.0902	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
129-00-0	Pyrene	6.53		mg/kg dry	0.113	0.226	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 12:53	OW
110-86-1	Pyridine	ND		mg/kg dry	0.181	0.361	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:13	OW
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	58.2 %	20-108								
4165-62-2	Surrogate: Phenol-d5	58.0 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	53.0 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	60.9 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	78.4 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	82.8 %	24-116								



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:45 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
50-29-3	4,4'-DDT	0.0174		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 19:20	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0357	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 19:20	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
7421-93-4	Endrin aldehyde	0.00413		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 19:20	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00893	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:45 am

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0904	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:20	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	31.0 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	27.3 %	S-GC	30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0361	2	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:54	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0361	2	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:54	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0361	2	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:54	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0361	2	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:54	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0361	2	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:54	LAB
11097-69-1	Aroclor 1254	0.0924		mg/kg dry	0.0361	2	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:54	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0361	2	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 18:54	LAB
1336-36-3	* Total PCBs	0.0924		mg/kg dry	0.0361	2	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 18:54	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	54.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	55.7 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8980		mg/kg dry	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-36-0	Antimony	ND		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-38-2	Arsenic	2.83		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML





Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:45 am

08/30/2018

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
7440-39-3	Barium	90.1		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-43-9	Cadmium	0.388		mg/kg dry	0.326	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-70-2	Calcium	46700		mg/kg dry	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-47-3	Chromium	27.3		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-48-4	Cobalt	6.54		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-50-8	Copper	21.1		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7439-89-6	Iron	12300		mg/kg dry	2.17	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7439-92-1	Lead	42.4		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7439-95-4	Magnesium	4820		mg/kg dry	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7439-96-5	Manganese	223		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-02-0	Nickel	14.3	B	mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-09-7	Potassium	1900	B	mg/kg dry	5.43	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-22-4	Silver	ND		mg/kg dry	0.543	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-23-5	Sodium	225	B	mg/kg dry	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-62-2	Vanadium	21.0		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	KML
7440-66-6	Zinc	118		mg/kg dry	1.63	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:04	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: Stockpile-NE

York Sample ID: 18H1425-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:45 am

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0863		mg/kg dry	0.0326	1	EPA 7473	09/04/2018 09:35	09/04/2018 12:23	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	92.1		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.543	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	27.3		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.543	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:40 am	<u>Date Received</u> 08/30/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 05:09	SS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 05:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.093	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

York Project (SDG) No.

Client Project ID

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Collection Date/Time

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18H1425

170502901

Soil

August 30, 2018 8:40 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
67-64-1	Acetone	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

York Project (SDG) No.

Client Project ID

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18H1425

170502901

Soil

August 30, 2018 8:40 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.023	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

York Project (SDG) No.

Client Project ID

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18H1425

170502901

Soil

August 30, 2018 8:40 am

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 13:31	09/07/2018 05:09	SS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 13:31	09/07/2018 05:09	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	93.6 %			77-125						
2037-26-5	Surrogate: Toluene-d8	104 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	128 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

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170502901

Soil

August 30, 2018 8:40 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
83-32-9	Acenaphthene	0.115		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
208-96-8	Acenaphthylene	0.0651	J	mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
98-86-2	Acetophenone	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
62-53-3	Aniline	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
120-12-7	Anthracene	0.562		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
1912-24-9	Atrazine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
56-55-3	Benzo(a)anthracene	2.73		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:40 am	<u>Date Received</u> 08/30/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	2.82		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
205-99-2	Benzo(b)fluoranthene	2.37		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
191-24-2	Benzo(g,h,i)perylene	1.93		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
207-08-9	Benzo(k)fluoranthene	2.44		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
65-85-0	Benzoic acid	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
105-60-2	Caprolactam	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
86-74-8	Carbazole	0.193		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
218-01-9	Chrysene	2.78		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
53-70-3	Dibenzo(a,h)anthracene	0.679		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
132-64-9	Dibenzofuran	0.0501	J	mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
122-39-4	Diphenylamine	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
206-44-0	Fluoranthene	6.30		mg/kg dry	0.112	0.224	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 13:24	OW



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:40 am

08/30/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.0980		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
193-39-5	Indeno(1,2,3-cd)pyrene	1.99		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
78-59-1	Isophorone	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
85-01-8	Phenanthrene	1.89		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
108-95-2	Phenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW
129-00-0	Pyrene	5.45		mg/kg dry	0.112	0.224	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 13:24	OW
110-86-1	Pyridine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:22	09/07/2018 00:43	OW

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	49.3 %	20-108
4165-62-2	Surrogate: Phenol-d5	53.4 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	46.2 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	57.8 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	78.4 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	81.1 %	24-116



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

<u>York Project (SDG) No.</u> 18H1425	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 30, 2018 8:40 am	<u>Date Received</u> 08/30/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
50-29-3	4,4'-DDT	0.0116		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 19:35	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0353	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/05/2018 14:16	09/06/2018 19:35	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/05/2018 14:16	09/06/2018 19:35	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00883	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:40 am

08/30/2018

Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0894	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:35	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	60.2 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	46.1 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:18	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:18	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:18	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:18	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:18	LAB
11097-69-1	Aroclor 1254	0.0578		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:18	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/05/2018 14:16	09/06/2018 19:18	LAB
1336-36-3	* Total PCBs	0.0578		mg/kg dry	0.0178	1	EPA 8082A Certifications:	09/05/2018 14:16	09/06/2018 19:18	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	44.1 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	38.3 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8770		mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-36-0	Antimony	ND		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-38-2	Arsenic	2.88		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:40 am

08/30/2018

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
7440-39-3	Barium	91.1		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.107	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-43-9	Cadmium	0.423		mg/kg dry	0.322	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-70-2	Calcium	42100		mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-47-3	Chromium	16.7		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-48-4	Cobalt	6.09		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-50-8	Copper	17.7		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7439-89-6	Iron	11600		mg/kg dry	2.15	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7439-92-1	Lead	46.5		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7439-95-4	Magnesium	3820		mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7439-96-5	Manganese	201		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-02-0	Nickel	12.5	B	mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-09-7	Potassium	1690	B	mg/kg dry	5.37	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7782-49-2	Selenium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-22-4	Silver	ND		mg/kg dry	0.537	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-23-5	Sodium	287	B	mg/kg dry	10.7	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-28-0	Thallium	ND		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-62-2	Vanadium	19.7		mg/kg dry	1.07	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	KML
7440-66-6	Zinc	134		mg/kg dry	1.61	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 09:33	09/07/2018 19:06	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: Stockpile-NW

York Sample ID: 18H1425-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Soil

August 30, 2018 8:40 am

08/30/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0877		mg/kg dry	0.0322	1	EPA 7473	09/04/2018 09:35	09/04/2018 12:32	SY
Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.2		%	0.100	1	SM 2540G	09/06/2018 22:52	09/07/2018 15:59	AD
Certifications: CTDOH										

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.537	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP										

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	16.7		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 12:05	AD
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.537	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: TB03_083018

York Sample ID: 18H1425-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 3:00 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS



Sample Information

Client Sample ID: TB03_083018

York Sample ID: 18H1425-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 3:00 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
74-83-9	Bromomethane	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS



Sample Information

Client Sample ID: TB03_083018

York Sample ID: 18H1425-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 3:00 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include Ethyl Benzene, Hexachlorobutadiene, Isopropylbenzene, Methyl acetate, Methyl tert-butyl ether (MTBE), Methylcyclohexane, Methylene chloride, n-Butylbenzene, n-Propylbenzene, o-Xylene, p- & m- Xylenes, p-Isopropyltoluene, sec-Butylbenzene, Styrene, tert-Butyl alcohol (TBA), tert-Butylbenzene, Tetrachloroethylene, Toluene, trans-1,2-Dichloroethylene, trans-1,3-Dichloropropylene, Trichloroethylene, Trichlorofluoromethane.



Sample Information

Client Sample ID: TB03_083018

York Sample ID: 18H1425-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18H1425

170502901

Water

August 30, 2018 3:00 pm

08/30/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/04/2018 07:30	09/05/2018 01:06	RDS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/04/2018 07:30	09/05/2018 01:06	RDS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %	69-130								
2037-26-5	Surrogate: Toluene-d8	89.0 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	93.0 %	79-122								



Analytical Batch Summary

Batch ID: BH81620 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KNK

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	08/31/18
BH81620-BLK1	Blank	08/31/18
BH81620-BS1	LCS	08/31/18
BH81620-BSD1	LCS Dup	08/31/18

Batch ID: BI80008 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/04/18
18H1425-15	TB03_083018	09/04/18
BI80008-BLK1	Blank	09/04/18
BI80008-BS1	LCS	09/04/18
BI80008-BSD1	LCS Dup	09/04/18

Batch ID: BI80010 **Preparation Method:** EPA 3510C **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/04/18
BI80010-BLK1	Blank	09/04/18
BI80010-BLK2	Blank	09/04/18
BI80010-BS1	LCS	09/04/18
BI80010-BS2	LCS	09/04/18
BI80010-BSD1	LCS Dup	09/04/18

Batch ID: BI80018 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/04/18
BI80018-DUP1	Duplicate	09/04/18
BI80018-MS1	Matrix Spike	09/04/18
BI80018-SRM1	Reference	09/04/18

Batch ID: BI80019 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/04/18
BI80019-BLK1	Blank	09/04/18
BI80019-SRM1	Reference	09/04/18

Batch ID: BI80021 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
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18H1425-01	SP16_0-2	09/04/18
18H1425-02	SP16_10-11	09/04/18
18H1425-03	SP15_0-2	09/04/18
18H1425-04	SP15_10-11	09/04/18
18H1425-05	SP14_0-2	09/04/18
18H1425-06	SP14_9-10	09/04/18
18H1425-07	SP13_0-2	09/04/18
18H1425-08	SP13_7-8	09/04/18
18H1425-09	SP12_0-2	09/04/18
18H1425-10	SP12_6-7	09/04/18
18H1425-12	Stockpile-S	09/04/18
18H1425-13	Stockpile-NE	09/04/18
18H1425-14	Stockpile-NW	09/04/18
BI80021-BLK1	Blank	09/04/18
BI80021-SRM1	Reference	09/04/18

Batch ID: BI80027 **Preparation Method:** Analysis Preparation **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/04/18
BI80027-BLK1	Blank	09/04/18
BI80027-BS1	LCS	09/04/18

Batch ID: BI80079 **Preparation Method:** EPA SW846-3060 **Prepared By:** TJD

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/05/18
18H1425-02	SP16_10-11	09/05/18
18H1425-03	SP15_0-2	09/05/18
BI80079-BLK1	Blank	09/05/18
BI80079-SRM1	Reference	09/05/18

Batch ID: BI80100 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/05/18
18H1425-02	SP16_10-11	09/05/18
18H1425-03	SP15_0-2	09/05/18
18H1425-04	SP15_10-11	09/05/18
18H1425-06	SP14_9-10	09/05/18
18H1425-07	SP13_0-2	09/05/18
18H1425-08	SP13_7-8	09/05/18
18H1425-09	SP12_0-2	09/05/18
18H1425-10	SP12_6-7	09/05/18
18H1425-12	Stockpile-S	09/05/18
18H1425-13	Stockpile-NE	09/05/18
18H1425-14	Stockpile-NW	09/05/18
BI80100-BLK1	Blank	09/05/18
BI80100-SRM1	Reference	09/05/18



Batch ID: BI80113

Preparation Method: EPA 3550C

Prepared By: AB

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/05/18
18H1425-02	SP16_10-11	09/05/18
18H1425-03	SP15_0-2	09/05/18
18H1425-04	SP15_10-11	09/05/18
18H1425-05	SP14_0-2	09/05/18
18H1425-06	SP14_9-10	09/05/18
BI80113-BLK1	Blank	09/05/18
BI80113-BS1	LCS	09/05/18

Batch ID: BI80114

Preparation Method: EPA 3550C

Prepared By: MAT

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/05/18
18H1425-01	SP16_0-2	09/05/18
18H1425-02	SP16_10-11	09/05/18
18H1425-02	SP16_10-11	09/05/18
18H1425-03	SP15_0-2	09/05/18
18H1425-03	SP15_0-2	09/05/18
18H1425-04	SP15_10-11	09/05/18
18H1425-04	SP15_10-11	09/05/18
18H1425-05	SP14_0-2	09/05/18
18H1425-05	SP14_0-2	09/05/18
18H1425-06	SP14_9-10	09/05/18
18H1425-06	SP14_9-10	09/05/18
18H1425-07	SP13_0-2	09/05/18
18H1425-07	SP13_0-2	09/05/18
18H1425-08	SP13_7-8	09/05/18
18H1425-08	SP13_7-8	09/05/18
18H1425-09	SP12_0-2	09/05/18
18H1425-09	SP12_0-2	09/05/18
18H1425-10	SP12_6-7	09/05/18
18H1425-10	SP12_6-7	09/05/18
18H1425-12	Stockpile-S	09/05/18
18H1425-12	Stockpile-S	09/05/18
18H1425-13	Stockpile-NE	09/05/18
18H1425-13	Stockpile-NE	09/05/18
18H1425-14	Stockpile-NW	09/05/18
18H1425-14	Stockpile-NW	09/05/18
BI80114-BLK1	Blank	09/05/18
BI80114-BLK2	Blank	09/05/18
BI80114-BS1	LCS	09/05/18
BI80114-BS2	LCS	09/05/18
BI80114-MS1	Matrix Spike	09/05/18
BI80114-MS2	Matrix Spike	09/05/18
BI80114-MSD1	Matrix Spike Dup	09/05/18
BI80114-MSD2	Matrix Spike Dup	09/05/18



Batch ID: BI80115

Preparation Method: EPA 3550C

Prepared By: AB

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-07	SP13_0-2	09/05/18
18H1425-08	SP13_7-8	09/05/18
18H1425-09	SP12_0-2	09/05/18
18H1425-10	SP12_6-7	09/05/18
18H1425-12	Stockpile-S	09/05/18
18H1425-12RE1	Stockpile-S	09/05/18
18H1425-13	Stockpile-NE	09/05/18
18H1425-13RE1	Stockpile-NE	09/05/18
18H1425-14	Stockpile-NW	09/05/18
18H1425-14RE1	Stockpile-NW	09/05/18
BI80115-BLK1	Blank	09/05/18
BI80115-BS1	LCS	09/05/18

Batch ID: BI80152

Preparation Method: EPA 5035A

Prepared By: TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-02	SP16_10-11	09/05/18
18H1425-03	SP15_0-2	09/05/18
BI80152-BLK1	Blank	09/06/18
BI80152-BLK2	Blank	09/06/18
BI80152-BS1	LCS	09/06/18
BI80152-BSD1	LCS Dup	09/06/18

Batch ID: BI80161

Preparation Method: EPA SW846-3060

Prepared By: TJD

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-04	SP15_10-11	09/06/18
18H1425-05	SP14_0-2	09/06/18
18H1425-06	SP14_9-10	09/06/18
18H1425-07	SP13_0-2	09/06/18
18H1425-08	SP13_7-8	09/06/18
18H1425-10	SP12_6-7	09/06/18
18H1425-12	Stockpile-S	09/06/18
18H1425-13	Stockpile-NE	09/06/18
18H1425-14	Stockpile-NW	09/06/18
BI80161-BLK1	Blank	09/06/18
BI80161-SRM1	Reference	09/06/18

Batch ID: BI80180

Preparation Method: Analysis Preparation Soil

Prepared By: TJM

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-05	SP14_0-2	09/06/18
BI80180-BLK1	Blank	09/06/18
BI80180-SRM1	Reference	09/06/18



Batch ID: BI80181 **Preparation Method:** Analysis Preparation **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/06/18
BI80181-BLK1	Blank	09/06/18
BI80181-BS1	LCS	09/06/18

Batch ID: BI80193 **Preparation Method:** EPA 5035A **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-04	SP15_10-11	09/06/18
18H1425-05	SP14_0-2	09/06/18
18H1425-06	SP14_9-10	09/06/18
18H1425-08	SP13_7-8	09/06/18
18H1425-10	SP12_6-7	09/06/18
18H1425-13	Stockpile-NE	09/06/18
18H1425-14	Stockpile-NW	09/06/18
BI80193-BLK1	Blank	09/06/18
BI80193-BS1	LCS	09/06/18
BI80193-BSD1	LCS Dup	09/06/18

Batch ID: BI80226 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/06/18
18H1425-02	SP16_10-11	09/06/18
18H1425-03	SP15_0-2	09/06/18
18H1425-04	SP15_10-11	09/06/18
18H1425-05	SP14_0-2	09/06/18
18H1425-06	SP14_9-10	09/06/18
18H1425-07	SP13_0-2	09/06/18
18H1425-08	SP13_7-8	09/06/18
18H1425-09	SP12_0-2	09/06/18
18H1425-10	SP12_6-7	09/06/18
18H1425-12	Stockpile-S	09/06/18
18H1425-13	Stockpile-NE	09/06/18
18H1425-14	Stockpile-NW	09/06/18

Batch ID: BI80233 **Preparation Method:** EPA 5035A **Prepared By:** TAB

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/07/18
18H1425-07	SP13_0-2	09/07/18
18H1425-09	SP12_0-2	09/07/18
18H1425-12	Stockpile-S	09/07/18
BI80233-BLK1	Blank	09/07/18
BI80233-BS1	LCS	09/07/18
BI80233-BSD1	LCS Dup	09/07/18



Batch ID: BI80253

Preparation Method: EPA 3050B

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/07/18
18H1425-02	SP16_10-11	09/07/18
18H1425-03	SP15_0-2	09/07/18
18H1425-04	SP15_10-11	09/07/18
18H1425-05	SP14_0-2	09/07/18
18H1425-06	SP14_9-10	09/07/18
18H1425-07	SP13_0-2	09/07/18
18H1425-08	SP13_7-8	09/07/18
18H1425-09	SP12_0-2	09/07/18
18H1425-10	SP12_6-7	09/07/18
18H1425-12	Stockpile-S	09/07/18
18H1425-13	Stockpile-NE	09/07/18
18H1425-14	Stockpile-NW	09/07/18
BI80253-BLK1	Blank	09/07/18
BI80253-DUP1	Duplicate	09/07/18
BI80253-MS1	Matrix Spike	09/07/18
BI80253-SRM1	Reference	09/07/18

Batch ID: BI80256

Preparation Method: EPA 3015A

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/07/18
18H1425-11RE1	TMW15_083018	09/07/18
BI80256-BLK1	Blank	09/07/18
BI80256-BS1	LCS	09/07/18
BI80256-DUP1	Duplicate	09/07/18
BI80256-MS1	Matrix Spike	09/07/18

Batch ID: BI80258

Preparation Method: EPA 3015A

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/07/18
18H1425-11RE1	TMW15_083018	09/07/18
BI80258-BLK1	Blank	09/07/18
BI80258-BS1	LCS	09/07/18
BI80258-DUP1	Duplicate	09/07/18
BI80258-MS1	Matrix Spike	09/07/18

Batch ID: BI80260

Preparation Method: EPA 3015A

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/07/18
BI80260-BLK1	Blank	09/07/18
BI80260-BS1	LCS	09/07/18
BI80260-DUP1	Duplicate	09/07/18



BI80260-MS1 Matrix Spike 09/07/18

Batch ID: BI80261 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/07/18
BI80261-BLK1	Blank	09/07/18
BI80261-BS1	LCS	09/07/18
BI80261-DUP1	Duplicate	09/07/18
BI80261-MS1	Matrix Spike	09/07/18

Batch ID: BI80344 **Preparation Method:** EPA SW846-3060 **Prepared By:** TJD

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-09	SP12_0-2	09/10/18
BI80344-BLK1	Blank	09/10/18
BI80344-SRM1	Reference	09/10/18

Batch ID: BI80370 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-01	SP16_0-2	09/10/18
18H1425-02	SP16_10-11	09/10/18
18H1425-03	SP15_0-2	09/10/18
18H1425-04	SP15_10-11	09/10/18
18H1425-05	SP14_0-2	09/10/18
18H1425-06	SP14_9-10	09/10/18
18H1425-07	SP13_0-2	09/10/18
18H1425-08	SP13_7-8	09/10/18
18H1425-09	SP12_0-2	09/10/18
18H1425-10	SP12_6-7	09/10/18
18H1425-12	Stockpile-S	09/10/18
18H1425-13	Stockpile-NE	09/10/18
18H1425-14	Stockpile-NW	09/10/18

Batch ID: BI80371 **Preparation Method:** *** DEFAULT PREP *** **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	09/10/18

Batch ID: See attached **Preparation Method:** Analysis Preparation **Prepared By:**

YORK Sample ID	Client Sample ID	Preparation Date
18H1425-11	TMW15_083018	08/30/18



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80008 - EPA 5030B

Blank (BI80008-BLK1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	2.00	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	2.00	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



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					Limit	

Batch BI80008 - EPA 5030B

Blank (BI80008-BLK1)

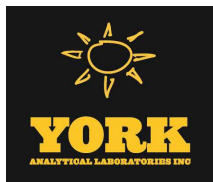
Prepared: 09/04/2018 Analyzed: 09/05/2018

n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
<hr/>											
Surrogate: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: Toluene-d8	8.81		"	10.0		88.1	81-117				
Surrogate: p-Bromofluorobenzene	9.39		"	10.0		93.9	79-122				

LCS (BI80008-BS1)

Prepared & Analyzed: 09/04/2018

1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126				
1,1,1-Trichloroethane	12.0		"	10.0		120	78-136				
1,1,2,2-Tetrachloroethane	9.76		"	10.0		97.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.5		"	10.0		125	54-165				
1,1,2-Trichloroethane	10.1		"	10.0		101	82-123				
1,1-Dichloroethane	12.6		"	10.0		126	82-129				
1,1-Dichloroethylene	13.8		"	10.0		138	68-138				
1,2,3-Trichlorobenzene	8.36		"	10.0		83.6	76-136				
1,2,3-Trichloropropane	9.77		"	10.0		97.7	77-128				
1,2,4-Trichlorobenzene	8.80		"	10.0		88.0	76-137				
1,2,4-Trimethylbenzene	9.89		"	10.0		98.9	82-132				
1,2-Dibromo-3-chloropropane	8.44		"	10.0		84.4	45-147				
1,2-Dibromoethane	10.4		"	10.0		104	83-124				
1,2-Dichlorobenzene	9.74		"	10.0		97.4	79-123				
1,2-Dichloroethane	12.2		"	10.0		122	73-132				
1,2-Dichloropropane	10.0		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	9.73		"	10.0		97.3	80-131				
1,3-Dichlorobenzene	10.1		"	10.0		101	86-122				
1,4-Dichlorobenzene	9.39		"	10.0		93.9	85-124				
1,4-Dioxane	371		"	210		177	10-349				
2-Butanone	10.4		"	10.0		104	49-152				
2-Hexanone	8.99		"	10.0		89.9	51-146				
4-Methyl-2-pentanone	9.28		"	10.0		92.8	57-145				
Acetone	11.5		"	10.0		115	14-150				
Acrolein	2.85		"	10.0		28.5	10-153				
Acrylonitrile	11.6		"	10.0		116	51-150				
Benzene	12.8		"	10.0		128	85-126	High Bias			
Bromochloromethane	12.5		"	10.0		125	77-128				
Bromodichloromethane	9.78		"	10.0		97.8	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 BI80008 - EPA 5030B

LCS (BI80008-BS1)

Prepared & Analyzed: 09/04/2018

Bromoform	9.99		ug/L	10.0		99.9	78-133				
Bromomethane	12.7		"	10.0		127	43-168				
Carbon disulfide	13.7		"	10.0		137	68-146				
Carbon tetrachloride	11.9		"	10.0		119	77-141				
Chlorobenzene	11.0		"	10.0		110	88-120				
Chloroethane	12.4		"	10.0		124	65-136				
Chloroform	12.4		"	10.0		124	82-128				
Chloromethane	12.4		"	10.0		124	43-155				
cis-1,2-Dichloroethylene	11.9		"	10.0		119	83-129				
cis-1,3-Dichloropropylene	9.48		"	10.0		94.8	80-131				
Cyclohexane	11.4		"	10.0		114	63-149				
Dibromochloromethane	10.4		"	10.0		104	80-130				
Dibromomethane	10.2		"	10.0		102	72-134				
Dichlorodifluoromethane	12.2		"	10.0		122	44-144				
Ethyl Benzene	10.8		"	10.0		108	80-131				
Hexachlorobutadiene	9.47		"	10.0		94.7	67-146				
Isopropylbenzene	9.62		"	10.0		96.2	76-140				
Methyl acetate	12.1		"	10.0		121	51-139				
Methyl tert-butyl ether (MTBE)	12.2		"	10.0		122	76-135				
Methylcyclohexane	8.82		"	10.0		88.2	72-143				
Methylene chloride	12.8		"	10.0		128	55-137				
n-Butylbenzene	9.25		"	10.0		92.5	79-132				
n-Propylbenzene	9.79		"	10.0		97.9	78-133				
o-Xylene	10.8		"	10.0		108	78-130				
p- & m- Xylenes	22.1		"	20.0		111	77-133				
p-Isopropyltoluene	10.2		"	10.0		102	81-136				
sec-Butylbenzene	10.2		"	10.0		102	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	71.5		"	50.0		143	25-162				
tert-Butylbenzene	9.75		"	10.0		97.5	77-138				
Tetrachloroethylene	9.55		"	10.0		95.5	82-131				
Toluene	10.6		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	12.0		"	10.0		120	80-132				
trans-1,3-Dichloropropylene	8.92		"	10.0		89.2	78-131				
Trichloroethylene	10.3		"	10.0		103	82-128				
Trichlorofluoromethane	11.7		"	10.0		117	67-139				
Vinyl Chloride	13.0		"	10.0		130	58-145				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.2</i>		<i>"</i>	<i>10.0</i>		<i>102</i>	<i>69-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>8.97</i>		<i>"</i>	<i>10.0</i>		<i>89.7</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.33</i>		<i>"</i>	<i>10.0</i>		<i>93.3</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 BI80008 - EPA 5030B											
LCS Dup (BI80008-bsd1)											
Prepared & Analyzed: 09/04/2018											
1,1,1,2-Tetrachloroethane	11.0		ug/L	10.0		110	82-126		0.0913	30	
1,1,1-Trichloroethane	11.9		"	10.0		119	78-136		1.08	30	
1,1,2,2-Tetrachloroethane	9.90		"	10.0		99.0	76-129		1.42	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	14.5		"	10.0		145	54-165		14.7	30	
1,1,2-Trichloroethane	10.4		"	10.0		104	82-123		2.93	30	
1,1-Dichloroethane	12.4		"	10.0		124	82-129		1.68	30	
1,1-Dichloroethylene	14.3		"	10.0		143	68-138	High Bias	3.06	30	
1,2,3-Trichlorobenzene	8.49		"	10.0		84.9	76-136		1.54	30	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128		2.73	30	
1,2,4-Trichlorobenzene	8.90		"	10.0		89.0	76-137		1.13	30	
1,2,4-Trimethylbenzene	9.45		"	10.0		94.5	82-132		4.55	30	
1,2-Dibromo-3-chloropropane	8.84		"	10.0		88.4	45-147		4.63	30	
1,2-Dibromoethane	10.7		"	10.0		107	83-124		3.32	30	
1,2-Dichlorobenzene	9.62		"	10.0		96.2	79-123		1.24	30	
1,2-Dichloroethane	12.5		"	10.0		125	73-132		2.18	30	
1,2-Dichloropropane	10.0		"	10.0		100	78-126		0.299	30	
1,3,5-Trimethylbenzene	9.29		"	10.0		92.9	80-131		4.63	30	
1,3-Dichlorobenzene	9.84		"	10.0		98.4	86-122		2.90	30	
1,4-Dichlorobenzene	9.25		"	10.0		92.5	85-124		1.50	30	
1,4-Dioxane	484		"	210		230	10-349		26.4	30	
2-Butanone	13.3		"	10.0		133	49-152		24.7	30	
2-Hexanone	10.0		"	10.0		100	51-146		10.8	30	
4-Methyl-2-pentanone	10.0		"	10.0		100	57-145		7.77	30	
Acetone	13.5		"	10.0		135	14-150		16.1	30	
Acrolein	3.06		"	10.0		30.6	10-153		7.11	30	
Acrylonitrile	12.8		"	10.0		128	51-150		9.27	30	
Benzene	12.6		"	10.0		126	85-126		1.50	30	
Bromochloromethane	12.7		"	10.0		127	77-128		1.19	30	
Bromodichloromethane	9.81		"	10.0		98.1	79-128		0.306	30	
Bromoform	10.4		"	10.0		104	78-133		3.73	30	
Bromomethane	12.6		"	10.0		126	43-168		0.710	30	
Carbon disulfide	13.5		"	10.0		135	68-146		1.32	30	
Carbon tetrachloride	12.0		"	10.0		120	77-141		0.334	30	
Chlorobenzene	10.8		"	10.0		108	88-120		1.84	30	
Chloroethane	12.1		"	10.0		121	65-136		2.29	30	
Chloroform	12.4		"	10.0		124	82-128		0.00	30	
Chloromethane	11.9		"	10.0		119	43-155		3.96	30	
cis-1,2-Dichloroethylene	11.8		"	10.0		118	83-129		1.09	30	
cis-1,3-Dichloropropylene	9.51		"	10.0		95.1	80-131		0.316	30	
Cyclohexane	12.3		"	10.0		123	63-149		7.27	30	
Dibromochloromethane	10.8		"	10.0		108	80-130		3.58	30	
Dibromomethane	10.4		"	10.0		104	72-134		2.42	30	
Dichlorodifluoromethane	13.9		"	10.0		139	44-144		12.7	30	
Ethyl Benzene	10.5		"	10.0		105	80-131		3.18	30	
Hexachlorobutadiene	9.08		"	10.0		90.8	67-146		4.20	30	
Isopropylbenzene	9.13		"	10.0		91.3	76-140		5.23	30	
Methyl acetate	12.8		"	10.0		128	51-139		5.69	30	
Methyl tert-butyl ether (MTBE)	12.8		"	10.0		128	76-135		5.05	30	
Methylcyclohexane	9.62		"	10.0		96.2	72-143		8.68	30	
Methylene chloride	12.8		"	10.0		128	55-137		0.391	30	
n-Butylbenzene	8.85		"	10.0		88.5	79-132		4.42	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 BI80008 - EPA 5030B

LCS Dup (BI80008-BSD1)

Prepared & Analyzed: 09/04/2018

n-Propylbenzene	9.26		ug/L	10.0		92.6	78-133			5.56	30		
o-Xylene	10.5		"	10.0		105	78-130			2.92	30		
p- & m- Xylenes	21.5		"	20.0		107	77-133			2.89	30		
p-Isopropyltoluene	9.71		"	10.0		97.1	81-136			4.82	30		
sec-Butylbenzene	9.72		"	10.0		97.2	79-137			4.72	30		
Styrene	10.3		"	10.0		103	67-132			1.44	30		
tert-Butyl alcohol (TBA)	83.1		"	50.0		166	25-162	High Bias		15.0	30		
tert-Butylbenzene	9.26		"	10.0		92.6	77-138			5.16	30		
Tetrachloroethylene	9.37		"	10.0		93.7	82-131			1.90	30		
Toluene	10.3		"	10.0		103	80-127			2.88	30		
trans-1,2-Dichloroethylene	11.8		"	10.0		118	80-132			1.34	30		
trans-1,3-Dichloropropylene	9.28		"	10.0		92.8	78-131			3.96	30		
Trichloroethylene	10.1		"	10.0		101	82-128			2.45	30		
Trichlorofluoromethane	12.1		"	10.0		121	67-139			3.61	30		
Vinyl Chloride	12.9		"	10.0		129	58-145			0.850	30		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.6</i>		<i>"</i>	<i>10.0</i>		<i>106</i>	<i>69-130</i>						
<i>Surrogate: Toluene-d8</i>	<i>8.89</i>		<i>"</i>	<i>10.0</i>		<i>88.9</i>	<i>81-117</i>						
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.18</i>		<i>"</i>	<i>10.0</i>		<i>91.8</i>	<i>79-122</i>						

Batch BI80152 - EPA 5035A

Blank (BI80152-BLK1)

Prepared & Analyzed: 09/06/2018

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet										
1,1,1-Trichloroethane	ND	0.0050	"										
1,1,2,2-Tetrachloroethane	ND	0.0050	"										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"										
1,1,2-Trichloroethane	ND	0.0050	"										
1,1-Dichloroethane	ND	0.0050	"										
1,1-Dichloroethylene	ND	0.0050	"										
1,2,3-Trichlorobenzene	ND	0.0050	"										
1,2,3-Trichloropropane	ND	0.0050	"										
1,2,4-Trichlorobenzene	ND	0.0050	"										
1,2,4-Trimethylbenzene	ND	0.0050	"										
1,2-Dibromo-3-chloropropane	ND	0.0050	"										
1,2-Dibromoethane	ND	0.0050	"										
1,2-Dichlorobenzene	ND	0.0050	"										
1,2-Dichloroethane	ND	0.0050	"										
1,2-Dichloropropane	ND	0.0050	"										
1,3,5-Trimethylbenzene	ND	0.0050	"										
1,3-Dichlorobenzene	ND	0.0050	"										
1,4-Dichlorobenzene	ND	0.0050	"										
1,4-Dioxane	ND	0.10	"										
2-Butanone	ND	0.0050	"										
2-Hexanone	ND	0.0050	"										
4-Methyl-2-pentanone	ND	0.0050	"										
Acetone	ND	0.010	"										
Acrolein	ND	0.010	"										
Acrylonitrile	ND	0.0050	"										
Benzene	ND	0.0050	"										
Bromochloromethane	ND	0.0050	"										
Bromodichloromethane	ND	0.0050	"										



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80152 - EPA 5035A

Blank (BI80152-BLK1)

Prepared & Analyzed: 09/06/2018

Bromoform	ND	0.0050	mg/kg wet									
Bromomethane	ND	0.0050	"									
Carbon disulfide	ND	0.0050	"									
Carbon tetrachloride	ND	0.0050	"									
Chlorobenzene	ND	0.0050	"									
Chloroethane	ND	0.0050	"									
Chloroform	ND	0.0050	"									
Chloromethane	ND	0.0050	"									
cis-1,2-Dichloroethylene	ND	0.0050	"									
cis-1,3-Dichloropropylene	ND	0.0050	"									
Cyclohexane	ND	0.0050	"									
Dibromochloromethane	ND	0.0050	"									
Dibromomethane	ND	0.0050	"									
Dichlorodifluoromethane	ND	0.0050	"									
Ethyl Benzene	ND	0.0050	"									
Hexachlorobutadiene	ND	0.0050	"									
Isopropylbenzene	ND	0.0050	"									
Methyl acetate	ND	0.0050	"									
Methyl tert-butyl ether (MTBE)	ND	0.0050	"									
Methylcyclohexane	ND	0.0050	"									
Methylene chloride	ND	0.010	"									
n-Butylbenzene	ND	0.0050	"									
n-Propylbenzene	ND	0.0050	"									
o-Xylene	ND	0.0050	"									
p- & m- Xylenes	ND	0.010	"									
p-Isopropyltoluene	ND	0.0050	"									
sec-Butylbenzene	ND	0.0050	"									
Styrene	ND	0.0050	"									
tert-Butyl alcohol (TBA)	ND	0.0050	"									
tert-Butylbenzene	ND	0.0050	"									
Tetrachloroethylene	ND	0.0050	"									
Toluene	ND	0.0050	"									
trans-1,2-Dichloroethylene	ND	0.0050	"									
trans-1,3-Dichloropropylene	ND	0.0050	"									
Trichloroethylene	ND	0.0050	"									
Trichlorofluoromethane	ND	0.0050	"									
Vinyl Chloride	ND	0.0050	"									
Xylenes, Total	ND	0.015	"									

Surrogate: 1,2-Dichloroethane-d4	44.9		ug/L	50.0		89.7	77-125					
Surrogate: Toluene-d8	50.3		"	50.0		101	85-120					
Surrogate: p-Bromofluorobenzene	59.6		"	50.0		119	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 BI80152 - EPA 5035A

Blank (BI80152-BLK2)

Prepared & Analyzed: 09/06/2018

1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
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	10	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrolein	ND	1.0	"								
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	1.0	"								
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 BI80152 - EPA 5035A

Blank (BI80152-BLK2)

Prepared & Analyzed: 09/06/2018

n-Propylbenzene	ND	0.50	mg/kg wet								
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	0.50	"								
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: 1,2-Dichloroethane-d4	42.6		ug/L	50.0		85.3	77-125				
Surrogate: Toluene-d8	50.3		"	50.0		101	85-120				
Surrogate: p-Bromofluorobenzene	58.5		"	50.0		117	76-130				

LCS (BI80152-BS1)

Prepared & Analyzed: 09/06/2018

1,1,1,2-Tetrachloroethane	45.8		ug/L	50.0		91.6	75-129				
1,1,1-Trichloroethane	45.7		"	50.0		91.4	71-137				
1,1,2,2-Tetrachloroethane	50.5		"	50.0		101	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.6		"	50.0		97.1	58-146				
1,1,2-Trichloroethane	45.9		"	50.0		91.8	83-123				
1,1-Dichloroethane	46.6		"	50.0		93.1	75-130				
1,1-Dichloroethylene	44.2		"	50.0		88.4	64-137				
1,2,3-Trichlorobenzene	48.8		"	50.0		97.6	81-140				
1,2,3-Trichloropropane	50.0		"	50.0		99.9	81-126				
1,2,4-Trichlorobenzene	48.7		"	50.0		97.4	80-141				
1,2,4-Trimethylbenzene	51.3		"	50.0		103	84-125				
1,2-Dibromo-3-chloropropane	45.0		"	50.0		90.0	74-142				
1,2-Dibromoethane	47.1		"	50.0		94.2	86-123				
1,2-Dichlorobenzene	49.2		"	50.0		98.5	85-122				
1,2-Dichloroethane	43.1		"	50.0		86.3	71-133				
1,2-Dichloropropane	45.2		"	50.0		90.3	81-122				
1,3,5-Trimethylbenzene	51.2		"	50.0		102	82-126				
1,3-Dichlorobenzene	49.7		"	50.0		99.4	84-124				
1,4-Dichlorobenzene	48.7		"	50.0		97.4	84-124				
1,4-Dioxane	946		"	1050		90.1	10-228				
2-Butanone	45.4		"	50.0		90.7	58-147				
2-Hexanone	43.4		"	50.0		86.8	70-139				
4-Methyl-2-pentanone	41.8		"	50.0		83.7	72-132				
Acetone	45.4		"	50.0		90.8	36-155				
Acrolein	39.3		"	50.0		78.6	10-238				
Acrylonitrile	43.2		"	50.0		86.4	66-141				
Benzene	47.8		"	50.0		95.6	77-127				
Bromochloromethane	42.8		"	50.0		85.5	74-129				
Bromodichloromethane	44.1		"	50.0		88.2	81-124				
Bromoform	44.0		"	50.0		87.9	80-136				



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 BI80152 - EPA 5035A

LCS (BI80152-BS1)

Prepared & Analyzed: 09/06/2018

Bromomethane	46.1		ug/L	50.0		92.2	32-177				
Carbon disulfide	52.2		"	50.0		104	10-136				
Carbon tetrachloride	45.5		"	50.0		91.0	66-143				
Chlorobenzene	46.5		"	50.0		93.0	86-120				
Chloroethane	45.4		"	50.0		90.7	51-142				
Chloroform	45.9		"	50.0		91.8	76-131				
Chloromethane	48.7		"	50.0		97.3	49-132				
cis-1,2-Dichloroethylene	45.8		"	50.0		91.5	74-132				
cis-1,3-Dichloropropylene	47.4		"	50.0		94.7	81-129				
Cyclohexane	51.1		"	50.0		102	70-130				
Dibromochloromethane	47.3		"	50.0		94.5	10-200				
Dibromomethane	43.9		"	50.0		87.8	83-124				
Dichlorodifluoromethane	55.7		"	50.0		111	28-158				
Ethyl Benzene	45.8		"	50.0		91.5	84-125				
Hexachlorobutadiene	49.8		"	50.0		99.7	83-133				
Isopropylbenzene	50.0		"	50.0		100	81-127				
Methyl acetate	41.2		"	50.0		82.3	41-143				
Methyl tert-butyl ether (MTBE)	48.4		"	50.0		96.7	74-131				
Methylcyclohexane	46.9		"	50.0		93.8	70-130				
Methylene chloride	33.9		"	50.0		67.8	57-141				
n-Butylbenzene	57.0		"	50.0		114	80-130				
n-Propylbenzene	50.3		"	50.0		101	74-136				
o-Xylene	46.5		"	50.0		93.1	83-123				
p- & m- Xylenes	91.3		"	100		91.3	82-128				
p-Isopropyltoluene	51.6		"	50.0		103	85-125				
sec-Butylbenzene	53.9		"	50.0		108	83-125				
Styrene	45.0		"	50.0		89.9	86-126				
tert-Butyl alcohol (TBA)	258		"	250		103	70-130				
tert-Butylbenzene	44.2		"	50.0		88.4	80-127				
Tetrachloroethylene	44.2		"	50.0		88.5	80-129				
Toluene	46.9		"	50.0		93.8	85-121				
trans-1,2-Dichloroethylene	45.4		"	50.0		90.8	72-132				
trans-1,3-Dichloropropylene	46.6		"	50.0		93.2	78-132				
Trichloroethylene	47.2		"	50.0		94.4	84-123				
Trichlorofluoromethane	40.5		"	50.0		81.0	62-140				
Vinyl Chloride	52.8		"	50.0		106	52-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>44.4</i>		<i>"</i>	<i>50.0</i>		<i>88.9</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>50.6</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>58.7</i>		<i>"</i>	<i>50.0</i>		<i>117</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
Batch BI80152 - EPA 5035A										
LCS Dup (BI80152-bsd1)										
Prepared & Analyzed: 09/06/2018										
1,1,1,2-Tetrachloroethane	46.0		ug/L	50.0		92.0	75-129		0.436	30
1,1,1-Trichloroethane	47.5		"	50.0		95.1	71-137		3.97	30
1,1,2,2-Tetrachloroethane	48.4		"	50.0		96.7	79-129		4.29	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.1		"	50.0		98.3	58-146		1.19	30
1,1,2-Trichloroethane	46.0		"	50.0		92.1	83-123		0.304	30
1,1-Dichloroethane	47.2		"	50.0		94.4	75-130		1.41	30
1,1-Dichloroethylene	44.9		"	50.0		89.7	64-137		1.48	30
1,2,3-Trichlorobenzene	49.9		"	50.0		99.9	81-140		2.33	30
1,2,3-Trichloropropane	48.3		"	50.0		96.6	81-126		3.36	30
1,2,4-Trichlorobenzene	49.2		"	50.0		98.4	80-141		1.04	30
1,2,4-Trimethylbenzene	52.1		"	50.0		104	84-125		1.49	30
1,2-Dibromo-3-chloropropane	43.0		"	50.0		85.9	74-142		4.71	30
1,2-Dibromoethane	46.6		"	50.0		93.1	86-123		1.15	30
1,2-Dichlorobenzene	49.2		"	50.0		98.5	85-122		0.0203	30
1,2-Dichloroethane	45.3		"	50.0		90.7	71-133		5.00	30
1,2-Dichloropropane	45.6		"	50.0		91.2	81-122		0.926	30
1,3,5-Trimethylbenzene	52.1		"	50.0		104	82-126		1.66	30
1,3-Dichlorobenzene	50.3		"	50.0		101	84-124		1.30	30
1,4-Dichlorobenzene	49.3		"	50.0		98.6	84-124		1.20	30
1,4-Dioxane	962		"	1050		91.6	10-228		1.65	30
2-Butanone	42.6		"	50.0		85.2	58-147		6.32	30
2-Hexanone	41.9		"	50.0		83.8	70-139		3.52	30
4-Methyl-2-pentanone	39.7		"	50.0		79.4	72-132		5.30	30
Acetone	38.9		"	50.0		77.9	36-155		15.4	30
Acrolein	36.7		"	50.0		73.4	10-238		6.85	30
Acrylonitrile	40.7		"	50.0		81.4	66-141		5.96	30
Benzene	48.2		"	50.0		96.5	77-127		0.937	30
Bromochloromethane	43.1		"	50.0		86.2	74-129		0.769	30
Bromodichloromethane	44.6		"	50.0		89.1	81-124		1.11	30
Bromoform	43.0		"	50.0		85.9	80-136		2.32	30
Bromomethane	47.1		"	50.0		94.2	32-177		2.19	30
Carbon disulfide	53.4		"	50.0		107	10-136		2.35	30
Carbon tetrachloride	46.2		"	50.0		92.3	66-143		1.44	30
Chlorobenzene	47.3		"	50.0		94.5	86-120		1.58	30
Chloroethane	47.2		"	50.0		94.4	51-142		4.00	30
Chloroform	46.7		"	50.0		93.4	76-131		1.66	30
Chloromethane	49.4		"	50.0		98.7	49-132		1.41	30
cis-1,2-Dichloroethylene	46.2		"	50.0		92.4	74-132		0.892	30
cis-1,3-Dichloropropylene	48.3		"	50.0		96.6	81-129		1.94	30
Cyclohexane	52.0		"	50.0		104	70-130		1.77	30
Dibromochloromethane	47.4		"	50.0		94.7	10-200		0.211	30
Dibromomethane	43.6		"	50.0		87.3	83-124		0.594	30
Dichlorodifluoromethane	57.0		"	50.0		114	28-158		2.36	30
Ethyl Benzene	46.4		"	50.0		92.9	84-125		1.43	30
Hexachlorobutadiene	52.7		"	50.0		105	83-133		5.58	30
Isopropylbenzene	51.1		"	50.0		102	81-127		2.20	30
Methyl acetate	38.5		"	50.0		76.9	41-143		6.73	30
Methyl tert-butyl ether (MTBE)	46.4		"	50.0		92.8	74-131		4.14	30
Methylcyclohexane	48.2		"	50.0		96.4	70-130		2.69	30
Methylene chloride	34.3		"	50.0		68.7	57-141		1.23	30
n-Butylbenzene	58.6		"	50.0		117	80-130		2.85	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 BI80152 - EPA 5035A

LCS Dup (BI80152-BSD1)

Prepared & Analyzed: 09/06/2018

n-Propylbenzene	50.9		ug/L	50.0		102	74-136			1.19	30		
o-Xylene	47.5		"	50.0		95.1	83-123			2.13	30		
p- & m- Xylenes	93.1		"	100		93.1	82-128			1.94	30		
p-Isopropyltoluene	52.9		"	50.0		106	85-125			2.58	30		
sec-Butylbenzene	55.2		"	50.0		110	83-125			2.33	30		
Styrene	45.4		"	50.0		90.7	86-126			0.886	30		
tert-Butyl alcohol (TBA)	238		"	250		95.0	70-130			8.14	30		
tert-Butylbenzene	45.0		"	50.0		90.0	80-127			1.79	30		
Tetrachloroethylene	45.5		"	50.0		91.1	80-129			2.87	30		
Toluene	47.8		"	50.0		95.7	85-121			2.01	30		
trans-1,2-Dichloroethylene	46.2		"	50.0		92.4	72-132			1.72	30		
trans-1,3-Dichloropropylene	46.8		"	50.0		93.5	78-132			0.386	30		
Trichloroethylene	48.4		"	50.0		96.8	84-123			2.53	30		
Trichlorofluoromethane	41.7		"	50.0		83.4	62-140			2.87	30		
Vinyl Chloride	54.4		"	50.0		109	52-130			2.84	30		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>44.2</i>		<i>"</i>	<i>50.0</i>		<i>88.4</i>	<i>77-125</i>						
<i>Surrogate: Toluene-d8</i>	<i>50.8</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>85-120</i>						
<i>Surrogate: p-Bromofluorobenzene</i>	<i>58.4</i>		<i>"</i>	<i>50.0</i>		<i>117</i>	<i>76-130</i>						

Batch BI80193 - EPA 5035A

Blank (BI80193-BLK1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

1,1,1,2-Tetrachloroethane	ND	0.0050	mg/kg wet										
1,1,1-Trichloroethane	ND	0.0050	"										
1,1,2,2-Tetrachloroethane	ND	0.0050	"										
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.0050	"										
1,1,2-Trichloroethane	ND	0.0050	"										
1,1-Dichloroethane	ND	0.0050	"										
1,1-Dichloroethylene	ND	0.0050	"										
1,2,3-Trichlorobenzene	ND	0.0050	"										
1,2,3-Trichloropropane	ND	0.0050	"										
1,2,4-Trichlorobenzene	ND	0.0050	"										
1,2,4-Trimethylbenzene	ND	0.0050	"										
1,2-Dibromo-3-chloropropane	ND	0.0050	"										
1,2-Dibromoethane	ND	0.0050	"										
1,2-Dichlorobenzene	ND	0.0050	"										
1,2-Dichloroethane	ND	0.0050	"										
1,2-Dichloropropane	ND	0.0050	"										
1,3,5-Trimethylbenzene	ND	0.0050	"										
1,3-Dichlorobenzene	ND	0.0050	"										
1,4-Dichlorobenzene	ND	0.0050	"										
1,4-Dioxane	ND	0.10	"										
2-Butanone	ND	0.0050	"										
2-Hexanone	ND	0.0050	"										
4-Methyl-2-pentanone	ND	0.0050	"										
Acetone	ND	0.010	"										
Acrolein	ND	0.010	"										
Acrylonitrile	ND	0.0050	"										
Benzene	ND	0.0050	"										
Bromochloromethane	ND	0.0050	"										
Bromodichloromethane	ND	0.0050	"										



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80193 - EPA 5035A

Blank (BI80193-BLK1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	ND	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.025	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								

Surrogate: 1,2-Dichloroethane-d4	48.2		ug/L	50.0		96.4	77-125
Surrogate: Toluene-d8	49.9		"	50.0		99.7	85-120
Surrogate: p-Bromofluorobenzene	59.4		"	50.0		119	76-130



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 BI80193 - EPA 5035A

LCS (BI80193-BS1)

Prepared & Analyzed: 09/06/2018

1,1,1,2-Tetrachloroethane	45.1		ug/L	50.0		90.2	75-129				
1,1,1-Trichloroethane	45.2		"	50.0		90.4	71-137				
1,1,2,2-Tetrachloroethane	49.0		"	50.0		98.0	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	47.1		"	50.0		94.1	58-146				
1,1,2-Trichloroethane	45.6		"	50.0		91.1	83-123				
1,1-Dichloroethane	45.3		"	50.0		90.7	75-130				
1,1-Dichloroethylene	42.9		"	50.0		85.7	64-137				
1,2,3-Trichlorobenzene	47.0		"	50.0		94.0	81-140				
1,2,3-Trichloropropane	48.3		"	50.0		96.6	81-126				
1,2,4-Trichlorobenzene	43.4		"	50.0		86.9	80-141				
1,2,4-Trimethylbenzene	48.6		"	50.0		97.2	84-125				
1,2-Dibromo-3-chloropropane	44.8		"	50.0		89.6	74-142				
1,2-Dibromoethane	45.8		"	50.0		91.5	86-123				
1,2-Dichlorobenzene	47.1		"	50.0		94.3	85-122				
1,2-Dichloroethane	42.3		"	50.0		84.5	71-133				
1,2-Dichloropropane	44.1		"	50.0		88.1	81-122				
1,3,5-Trimethylbenzene	49.0		"	50.0		97.9	82-126				
1,3-Dichlorobenzene	46.6		"	50.0		93.2	84-124				
1,4-Dichlorobenzene	45.8		"	50.0		91.6	84-124				
1,4-Dioxane	995		"	1050		94.7	10-228				
2-Butanone	40.7		"	50.0		81.4	58-147				
2-Hexanone	41.7		"	50.0		83.3	70-139				
4-Methyl-2-pentanone	41.8		"	50.0		83.5	72-132				
Acetone	35.2		"	50.0		70.4	36-155				
Acrolein	29.8		"	50.0		59.6	10-238				
Acrylonitrile	42.5		"	50.0		85.1	66-141				
Benzene	46.2		"	50.0		92.5	77-127				
Bromochloromethane	42.8		"	50.0		85.6	74-129				
Bromodichloromethane	43.4		"	50.0		86.8	81-124				
Bromoform	42.9		"	50.0		85.8	80-136				
Bromomethane	44.6		"	50.0		89.1	32-177				
Carbon disulfide	49.4		"	50.0		98.8	10-136				
Carbon tetrachloride	44.3		"	50.0		88.6	66-143				
Chlorobenzene	45.7		"	50.0		91.4	86-120				
Chloroethane	44.3		"	50.0		88.6	51-142				
Chloroform	45.1		"	50.0		90.3	76-131				
Chloromethane	45.5		"	50.0		91.0	49-132				
cis-1,2-Dichloroethylene	44.2		"	50.0		88.5	74-132				
cis-1,3-Dichloropropylene	44.9		"	50.0		89.9	81-129				
Cyclohexane	50.0		"	50.0		100	70-130				
Dibromochloromethane	46.2		"	50.0		92.3	10-200				
Dibromomethane	42.9		"	50.0		85.7	83-124				
Dichlorodifluoromethane	55.8		"	50.0		112	28-158				
Ethyl Benzene	44.6		"	50.0		89.3	84-125				
Hexachlorobutadiene	49.4		"	50.0		98.9	83-133				
Isopropylbenzene	48.4		"	50.0		96.8	81-127				
Methyl acetate	44.8		"	50.0		89.5	41-143				
Methyl tert-butyl ether (MTBE)	47.3		"	50.0		94.7	74-131				
Methylcyclohexane	46.2		"	50.0		92.5	70-130				
Methylene chloride	32.7		"	50.0		65.3	57-141				
n-Butylbenzene	52.6		"	50.0		105	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
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Batch BI80193 - EPA 5035A

LCS (BI80193-BS1)

Prepared & Analyzed: 09/06/2018

n-Propylbenzene	48.0		ug/L	50.0		96.0	74-136				
o-Xylene	46.0		"	50.0		91.9	83-123				
p- & m- Xylenes	88.8		"	100		88.8	82-128				
p-Isopropyltoluene	49.2		"	50.0		98.3	85-125				
sec-Butylbenzene	52.5		"	50.0		105	83-125				
Styrene	43.9		"	50.0		87.8	86-126				
tert-Butyl alcohol (TBA)	247		"	250		98.6	70-130				
tert-Butylbenzene	42.9		"	50.0		85.9	80-127				
Tetrachloroethylene	43.4		"	50.0		86.7	80-129				
Toluene	45.4		"	50.0		90.7	85-121				
trans-1,2-Dichloroethylene	43.8		"	50.0		87.6	72-132				
trans-1,3-Dichloropropylene	43.7		"	50.0		87.4	78-132				
Trichloroethylene	45.9		"	50.0		91.7	84-123				
Trichlorofluoromethane	40.4		"	50.0		80.9	62-140				
Vinyl Chloride	47.4		"	50.0		94.7	52-130				
Surrogate: 1,2-Dichloroethane-d4	43.8		"	50.0		87.7	77-125				
Surrogate: Toluene-d8	49.6		"	50.0		99.2	85-120				
Surrogate: p-Bromofluorobenzene	57.7		"	50.0		115	76-130				

LCS Dup (BI80193-BS1)

Prepared & Analyzed: 09/06/2018

1,1,1,2-Tetrachloroethane	42.8		ug/L	50.0		85.6	75-129		5.24	30	
1,1,1-Trichloroethane	43.3		"	50.0		86.6	71-137		4.23	30	
1,1,2,2-Tetrachloroethane	50.7		"	50.0		101	79-129		3.43	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	45.2		"	50.0		90.4	58-146		4.08	30	
1,1,2-Trichloroethane	46.0		"	50.0		92.1	83-123		1.03	30	
1,1-Dichloroethane	43.9		"	50.0		87.8	75-130		3.25	30	
1,1-Dichloroethylene	42.0		"	50.0		83.9	64-137		2.17	30	
1,2,3-Trichlorobenzene	45.0		"	50.0		90.1	81-140		4.24	30	
1,2,3-Trichloropropane	51.9		"	50.0		104	81-126		7.15	30	
1,2,4-Trichlorobenzene	41.1		"	50.0		82.3	80-141		5.46	30	
1,2,4-Trimethylbenzene	45.0		"	50.0		89.9	84-125		7.80	30	
1,2-Dibromo-3-chloropropane	52.0		"	50.0		104	74-142		14.8	30	
1,2-Dibromoethane	48.2		"	50.0		96.3	86-123		5.15	30	
1,2-Dichlorobenzene	44.6		"	50.0		89.1	85-122		5.60	30	
1,2-Dichloroethane	43.2		"	50.0		86.5	71-133		2.27	30	
1,2-Dichloropropane	43.0		"	50.0		86.0	81-122		2.44	30	
1,3,5-Trimethylbenzene	44.9		"	50.0		89.7	82-126		8.76	30	
1,3-Dichlorobenzene	43.7		"	50.0		87.4	84-124		6.40	30	
1,4-Dichlorobenzene	42.8		"	50.0		85.5	84-124		6.82	30	
1,4-Dioxane	1120		"	1050		107	10-228		12.2	30	
2-Butanone	48.3		"	50.0		96.6	58-147		17.0	30	
2-Hexanone	47.2		"	50.0		94.3	70-139		12.4	30	
4-Methyl-2-pentanone	46.5		"	50.0		93.0	72-132		10.8	30	
Acetone	39.4		"	50.0		78.8	36-155		11.4	30	
Acrolein	32.3		"	50.0		64.6	10-238		8.12	30	
Acrylonitrile	48.1		"	50.0		96.2	66-141		12.3	30	
Benzene	44.7		"	50.0		89.4	77-127		3.43	30	
Bromochloromethane	41.9		"	50.0		83.8	74-129		2.15	30	
Bromodichloromethane	41.3		"	50.0		82.5	81-124		5.03	30	
Bromoform	44.8		"	50.0		89.6	80-136		4.36	30	
Bromomethane	42.4		"	50.0		84.8	32-177		5.04	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 BI80193 - EPA 5035A											
LCS Dup (BI80193-BSD1)											
										Prepared & Analyzed: 09/06/2018	
Carbon disulfide	48.3		ug/L	50.0		96.7	10-136		2.23	30	
Carbon tetrachloride	42.5		"	50.0		85.0	66-143		4.15	30	
Chlorobenzene	43.2		"	50.0		86.5	86-120		5.49	30	
Chloroethane	41.5		"	50.0		83.0	51-142		6.50	30	
Chloroform	43.8		"	50.0		87.5	76-131		3.13	30	
Chloromethane	45.2		"	50.0		90.5	49-132		0.639	30	
cis-1,2-Dichloroethylene	43.0		"	50.0		86.1	74-132		2.77	30	
cis-1,3-Dichloropropylene	44.5		"	50.0		89.0	81-129		1.01	30	
Cyclohexane	48.9		"	50.0		97.8	70-130		2.37	30	
Dibromochloromethane	45.7		"	50.0		91.5	10-200		0.958	30	
Dibromomethane	44.4		"	50.0		88.9	83-124		3.57	30	
Dichlorodifluoromethane	55.0		"	50.0		110	28-158		1.39	30	
Ethyl Benzene	42.1		"	50.0		84.1	84-125		5.95	30	
Hexachlorobutadiene	44.9		"	50.0		89.8	83-133		9.67	30	
Isopropylbenzene	45.0		"	50.0		89.9	81-127		7.41	30	
Methyl acetate	50.2		"	50.0		100	41-143		11.4	30	
Methyl tert-butyl ether (MTBE)	48.8		"	50.0		97.6	74-131		3.00	30	
Methylcyclohexane	43.9		"	50.0		87.8	70-130		5.15	30	
Methylene chloride	31.8		"	50.0		63.5	57-141		2.86	30	
n-Butylbenzene	48.6		"	50.0		97.2	80-130		7.90	30	
n-Propylbenzene	44.4		"	50.0		88.7	74-136		7.92	30	
o-Xylene	43.0		"	50.0		86.1	83-123		6.54	30	
p- & m- Xylenes	83.5		"	100		83.5	82-128		6.21	30	
p-Isopropyltoluene	45.2		"	50.0		90.5	85-125		8.30	30	
sec-Butylbenzene	48.4		"	50.0		96.8	83-125		8.11	30	
Styrene	41.7		"	50.0		83.4	86-126	Low Bias	5.14	30	
tert-Butyl alcohol (TBA)	304		"	250		122	70-130		20.9	30	
tert-Butylbenzene	39.8		"	50.0		79.6	80-127	Low Bias	7.64	30	
Tetrachloroethylene	40.0		"	50.0		80.1	80-129		7.96	30	
Toluene	43.3		"	50.0		86.7	85-121		4.55	30	
trans-1,2-Dichloroethylene	42.4		"	50.0		84.9	72-132		3.18	30	
trans-1,3-Dichloropropylene	43.0		"	50.0		86.0	78-132		1.66	30	
Trichloroethylene	43.7		"	50.0		87.5	84-123		4.73	30	
Trichlorofluoromethane	37.1		"	50.0		74.2	62-140		8.62	30	
Vinyl Chloride	46.4		"	50.0		92.9	52-130		1.98	30	
Surrogate: 1,2-Dichloroethane-d4	46.4		"	50.0		92.7	77-125				
Surrogate: Toluene-d8	49.5		"	50.0		99.0	85-120				
Surrogate: p-Bromofluorobenzene	57.4		"	50.0		115	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80233 - EPA 5035A

Blank (BI80233-BLK1)

Prepared & Analyzed: 09/07/2018

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



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 BI80233 - EPA 5035A

Blank (BI80233-BLK1)

Prepared & Analyzed: 09/07/2018

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

<i>Surrogate: 1,2-Dichloroethane-d4</i>	48.2		ug/L	50.0	96.4	77-125					
<i>Surrogate: Toluene-d8</i>	51.0		"	50.0	102	85-120					
<i>Surrogate: p-Bromofluorobenzene</i>	57.3		"	50.0	115	76-130					

LCS (BI80233-BS1)

Prepared & Analyzed: 09/07/2018

1,1,1,2-Tetrachloroethane	49.9		ug/L	50.0	99.8	75-129					
1,1,1-Trichloroethane	50.9		"	50.0	102	71-137					
1,1,2,2-Tetrachloroethane	54.1		"	50.0	108	79-129					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.9		"	50.0	106	58-146					
1,1,2-Trichloroethane	50.8		"	50.0	102	83-123					
1,1-Dichloroethane	50.4		"	50.0	101	75-130					
1,1-Dichloroethylene	49.0		"	50.0	98.0	64-137					
1,2,3-Trichlorobenzene	51.0		"	50.0	102	81-140					
1,2,3-Trichloropropane	54.6		"	50.0	109	81-126					
1,2,4-Trichlorobenzene	50.0		"	50.0	100	80-141					
1,2,4-Trimethylbenzene	53.1		"	50.0	106	84-125					
1,2-Dibromo-3-chloropropane	52.1		"	50.0	104	74-142					
1,2-Dibromoethane	51.5		"	50.0	103	86-123					
1,2-Dichlorobenzene	51.2		"	50.0	102	85-122					
1,2-Dichloroethane	48.0		"	50.0	96.0	71-133					
1,2-Dichloropropane	49.2		"	50.0	98.3	81-122					
1,3,5-Trimethylbenzene	53.1		"	50.0	106	82-126					
1,3-Dichlorobenzene	51.5		"	50.0	103	84-124					
1,4-Dichlorobenzene	50.2		"	50.0	100	84-124					
1,4-Dioxane	1080		"	1050	103	10-228					
2-Butanone	49.7		"	50.0	99.3	58-147					
2-Hexanone	52.0		"	50.0	104	70-139					
4-Methyl-2-pentanone	50.5		"	50.0	101	72-132					
Acetone	44.1		"	50.0	88.2	36-155					
Acrolein	45.1		"	50.0	90.1	10-238					
Acrylonitrile	50.6		"	50.0	101	66-141					
Benzene	50.7		"	50.0	101	77-127					
Bromochloromethane	46.5		"	50.0	92.9	74-129					
Bromodichloromethane	48.1		"	50.0	96.2	81-124					
Bromoform	48.8		"	50.0	97.5	80-136					



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 BI80233 - EPA 5035A

LCS (BI80233-BS1)

Prepared & Analyzed: 09/07/2018

Bromomethane	48.0		ug/L	50.0		95.9	32-177				
Carbon disulfide	54.8		"	50.0		110	10-136				
Carbon tetrachloride	50.4		"	50.0		101	66-143				
Chlorobenzene	51.0		"	50.0		102	86-120				
Chloroethane	49.0		"	50.0		97.9	51-142				
Chloroform	49.6		"	50.0		99.3	76-131				
Chloromethane	47.0		"	50.0		94.1	49-132				
cis-1,2-Dichloroethylene	49.1		"	50.0		98.2	74-132				
cis-1,3-Dichloropropylene	50.8		"	50.0		102	81-129				
Cyclohexane	56.7		"	50.0		113	70-130				
Dibromochloromethane	50.8		"	50.0		102	10-200				
Dibromomethane	49.1		"	50.0		98.2	83-124				
Dichlorodifluoromethane	58.3		"	50.0		117	28-158				
Ethyl Benzene	51.8		"	50.0		104	84-125				
Hexachlorobutadiene	53.4		"	50.0		107	83-133				
Isopropylbenzene	52.4		"	50.0		105	81-127				
Methyl acetate	47.3		"	50.0		94.7	41-143				
Methyl tert-butyl ether (MTBE)	51.7		"	50.0		103	74-131				
Methylcyclohexane	53.3		"	50.0		107	70-130				
Methylene chloride	36.7		"	50.0		73.4	57-141				
n-Butylbenzene	61.5		"	50.0		123	80-130				
n-Propylbenzene	53.0		"	50.0		106	74-136				
o-Xylene	51.5		"	50.0		103	83-123				
p- & m- Xylenes	103		"	100		103	82-128				
p-Isopropyltoluene	54.8		"	50.0		110	85-125				
sec-Butylbenzene	57.6		"	50.0		115	83-125				
Styrene	49.3		"	50.0		98.5	86-126				
tert-Butyl alcohol (TBA)	301		"	250		120	70-130				
tert-Butylbenzene	46.6		"	50.0		93.1	80-127				
Tetrachloroethylene	49.7		"	50.0		99.4	80-129				
Toluene	51.3		"	50.0		103	85-121				
trans-1,2-Dichloroethylene	49.2		"	50.0		98.4	72-132				
trans-1,3-Dichloropropylene	50.2		"	50.0		100	78-132				
Trichloroethylene	51.0		"	50.0		102	84-123				
Trichlorofluoromethane	45.9		"	50.0		91.9	62-140				
Vinyl Chloride	52.6		"	50.0		105	52-130				
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>48.9</i>		<i>"</i>	<i>50.0</i>		<i>97.8</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>50.3</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>54.2</i>		<i>"</i>	<i>50.0</i>		<i>108</i>	<i>76-130</i>				



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 BI80233 - EPA 5035A										
LCS Dup (BI80233-BSD1)										
										Prepared & Analyzed: 09/07/2018
1,1,1,2-Tetrachloroethane	48.7		ug/L	50.0	97.4	75-129			2.39	30
1,1,1-Trichloroethane	48.0		"	50.0	95.9	71-137			5.93	30
1,1,2,2-Tetrachloroethane	53.7		"	50.0	107	79-129			0.853	30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0		"	50.0	99.9	58-146			5.68	30
1,1,2-Trichloroethane	49.1		"	50.0	98.2	83-123			3.42	30
1,1-Dichloroethane	48.2		"	50.0	96.4	75-130			4.44	30
1,1-Dichloroethylene	46.4		"	50.0	92.8	64-137			5.39	30
1,2,3-Trichlorobenzene	53.0		"	50.0	106	81-140			3.75	30
1,2,3-Trichloropropane	54.6		"	50.0	109	81-126			0.0916	30
1,2,4-Trichlorobenzene	51.8		"	50.0	104	80-141			3.61	30
1,2,4-Trimethylbenzene	53.7		"	50.0	107	84-125			1.16	30
1,2-Dibromo-3-chloropropane	53.0		"	50.0	106	74-142			1.77	30
1,2-Dibromoethane	50.8		"	50.0	102	86-123			1.37	30
1,2-Dichlorobenzene	51.7		"	50.0	103	85-122			1.01	30
1,2-Dichloroethane	48.3		"	50.0	96.5	71-133			0.519	30
1,2-Dichloropropane	47.5		"	50.0	95.0	81-122			3.46	30
1,3,5-Trimethylbenzene	54.5		"	50.0	109	82-126			2.62	30
1,3-Dichlorobenzene	52.4		"	50.0	105	84-124			1.81	30
1,4-Dichlorobenzene	51.2		"	50.0	102	84-124			1.95	30
1,4-Dioxane	1000		"	1050	95.3	10-228			7.32	30
2-Butanone	47.5		"	50.0	95.0	58-147			4.42	30
2-Hexanone	46.6		"	50.0	93.3	70-139			10.8	30
4-Methyl-2-pentanone	46.9		"	50.0	93.8	72-132			7.29	30
Acetone	35.6		"	50.0	71.1	36-155			21.4	30
Acrolein	40.1		"	50.0	80.2	10-238			11.6	30
Acrylonitrile	47.1		"	50.0	94.1	66-141			7.19	30
Benzene	48.8		"	50.0	97.7	77-127			3.78	30
Bromochloromethane	44.2		"	50.0	88.4	74-129			4.96	30
Bromodichloromethane	46.3		"	50.0	92.6	81-124			3.84	30
Bromoform	46.6		"	50.0	93.2	80-136			4.59	30
Bromomethane	48.9		"	50.0	97.8	32-177			1.94	30
Carbon disulfide	52.3		"	50.0	105	10-136			4.78	30
Carbon tetrachloride	48.7		"	50.0	97.4	66-143			3.43	30
Chlorobenzene	49.7		"	50.0	99.5	86-120			2.60	30
Chloroethane	47.6		"	50.0	95.3	51-142			2.73	30
Chloroform	47.9		"	50.0	95.8	76-131			3.59	30
Chloromethane	45.5		"	50.0	91.1	49-132			3.26	30
cis-1,2-Dichloroethylene	47.2		"	50.0	94.3	74-132			4.05	30
cis-1,3-Dichloropropylene	49.8		"	50.0	99.7	81-129			1.83	30
Cyclohexane	53.4		"	50.0	107	70-130			5.96	30
Dibromochloromethane	49.8		"	50.0	99.5	10-200			2.11	30
Dibromomethane	46.8		"	50.0	93.7	83-124			4.71	30
Dichlorodifluoromethane	53.1		"	50.0	106	28-158			9.41	30
Ethyl Benzene	49.9		"	50.0	99.8	84-125			3.76	30
Hexachlorobutadiene	54.3		"	50.0	109	83-133			1.75	30
Isopropylbenzene	53.2		"	50.0	106	81-127			1.57	30
Methyl acetate	44.5		"	50.0	88.9	41-143			6.23	30
Methyl tert-butyl ether (MTBE)	49.0		"	50.0	97.9	74-131			5.46	30
Methylcyclohexane	51.0		"	50.0	102	70-130			4.49	30
Methylene chloride	35.3		"	50.0	70.6	57-141			4.00	30
n-Butylbenzene	62.7		"	50.0	125	80-130			1.93	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								Limit			

Batch BI80233 - EPA 5035A

LCS Dup (BI80233-BSD1)

Prepared & Analyzed: 09/07/2018

n-Propylbenzene	54.1		ug/L	50.0		108	74-136			2.07	30		
o-Xylene	50.2		"	50.0		100	83-123			2.55	30		
p- & m- Xylenes	100		"	100		100	82-128			3.07	30		
p-Isopropyltoluene	55.8		"	50.0		112	85-125			1.79	30		
sec-Butylbenzene	58.2		"	50.0		116	83-125			1.11	30		
Styrene	48.3		"	50.0		96.6	86-126			1.95	30		
tert-Butyl alcohol (TBA)	277		"	250		111	70-130			8.18	30		
tert-Butylbenzene	47.2		"	50.0		94.4	80-127			1.32	30		
Tetrachloroethylene	48.2		"	50.0		96.3	80-129			3.15	30		
Toluene	49.7		"	50.0		99.4	85-121			3.21	30		
trans-1,2-Dichloroethylene	47.2		"	50.0		94.3	72-132			4.21	30		
trans-1,3-Dichloropropylene	48.7		"	50.0		97.3	78-132			3.00	30		
Trichloroethylene	49.9		"	50.0		99.9	84-123			2.14	30		
Trichlorofluoromethane	44.9		"	50.0		89.8	62-140			2.27	30		
Vinyl Chloride	49.8		"	50.0		99.7	52-130			5.33	30		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>47.8</i>		<i>"</i>	<i>50.0</i>		<i>95.5</i>	<i>77-125</i>						
<i>Surrogate: Toluene-d8</i>	<i>51.0</i>		<i>"</i>	<i>50.0</i>		<i>102</i>	<i>85-120</i>						
<i>Surrogate: p-Bromofluorobenzene</i>	<i>57.2</i>		<i>"</i>	<i>50.0</i>		<i>114</i>	<i>76-130</i>						



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80010 - EPA 3510C

Blank (BI80010-BLK1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80010 - EPA 3510C

Blank (BI80010-BLK1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

Surrogate: 2-Fluorophenol	17.3		ug/L	50.0		34.7	19.7-63.1				
Surrogate: Phenol-d5	11.5		"	50.0		23.0	10.1-41.7				
Surrogate: Nitrobenzene-d5	16.5		"	25.0		65.9	50.2-113				
Surrogate: 2-Fluorobiphenyl	21.0		"	25.0		83.8	39.9-105				
Surrogate: 2,4,6-Tribromophenol	44.4		"	50.0		88.7	39.3-151				
Surrogate: Terphenyl-d14	27.2		"	25.0		109	30.7-106				

Blank (BI80010-BLK2)

Prepared: 09/04/2018 Analyzed: 09/05/2018

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80010 - EPA 3510C											
LCS (BI80010-BS1)											
Prepared: 09/04/2018 Analyzed: 09/05/2018											
1,1-Biphenyl	15.0	5.00	ug/L	25.0		60.1	33-95				
1,2,4,5-Tetrachlorobenzene	15.8	5.00	"	25.0		63.2	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	12.5	5.00	"	25.0		50.2	16-141				
2,3,4,6-Tetrachlorophenol	41.6	5.00	"	25.0		167	30-130	High Bias			
2,4,5-Trichlorophenol	18.9	5.00	"	25.0		75.6	32-114				
2,4,6-Trichlorophenol	18.4	5.00	"	25.0		73.5	35-118				
2,4-Dichlorophenol	17.5	5.00	"	25.0		69.9	25-116				
2,4-Dimethylphenol	16.0	5.00	"	25.0		64.2	15-116				
2,4-Dinitrophenol	25.4	5.00	"	25.0		102	10-170				
2,4-Dinitrotoluene	18.9	5.00	"	25.0		75.8	41-128				
2,6-Dinitrotoluene	18.0	5.00	"	25.0		72.0	45-116				
2-Chloronaphthalene	15.2	5.00	"	25.0		60.6	33-112				
2-Chlorophenol	13.7	5.00	"	25.0		54.9	15-120				
2-Methylnaphthalene	15.8	5.00	"	25.0		63.3	24-118				
2-Methylphenol	11.1	5.00	"	25.0		44.5	10-110				
2-Nitroaniline	14.7	5.00	"	25.0		59.0	34-129				
2-Nitrophenol	14.8	5.00	"	25.0		59.3	28-118				
3- & 4-Methylphenols	9.96	5.00	"	25.0		39.8	10-107				
3,3-Dichlorobenzidine	12.9	5.00	"	25.0		51.6	15-187				
3-Nitroaniline	12.3	5.00	"	25.0		49.3	24-134				
4,6-Dinitro-2-methylphenol	20.2	5.00	"	25.0		80.7	10-153				
4-Bromophenyl phenyl ether	14.6	5.00	"	25.0		58.4	34-120				
4-Chloro-3-methylphenol	16.1	5.00	"	25.0		64.4	20-120				
4-Chloroaniline	9.77	5.00	"	25.0		39.1	10-147				
4-Chlorophenyl phenyl ether	19.0	5.00	"	25.0		75.9	27-121				
4-Nitroaniline	11.6	5.00	"	25.0		46.4	13-134				
4-Nitrophenol	7.35	5.00	"	25.0		29.4	10-131				
Acetophenone	13.9	5.00	"	25.0		55.7	25-110				
Aniline	7.18	5.00	"	25.0		28.7	10-117				
Benzaldehyde	11.6	5.00	"	25.0		46.3	29-117				
Benzoic acid	5.38	50.0	"	25.2		21.3	30-130	Low Bias			
Benzyl alcohol	11.3	5.00	"	25.0		45.1	10-117				
Benzyl butyl phthalate	20.7	5.00	"	25.0		82.8	29-133				
Bis(2-chloroethoxy)methane	12.8	5.00	"	25.0		51.1	10-154				
Bis(2-chloroethyl)ether	11.6	5.00	"	25.0		46.2	17-125				
Bis(2-chloroisopropyl)ether	11.5	5.00	"	25.0		46.0	10-139				
Caprolactam	4.23	5.00	"	25.0		16.9	10-137				
Carbazole	16.3	5.00	"	25.0		65.2	42-126				
Dibenzofuran	19.8	5.00	"	25.0		79.4	36-113				
Diethyl phthalate	20.1	5.00	"	25.0		80.4	38-115				
Dimethyl phthalate	18.5	5.00	"	25.0		73.9	38-129				
Di-n-butyl phthalate	16.2	5.00	"	25.0		65.0	31-120				
Di-n-octyl phthalate	20.0	5.00	"	25.0		79.9	21-149				
Diphenylamine	18.0	5.00	"	25.0		72.2	40-140				
Hexachlorocyclopentadiene	13.5	10.0	"	25.0		53.9	10-130				
Isophorone	13.8	5.00	"	25.0		55.4	25-127				
N-nitroso-di-n-propylamine	12.6	5.00	"	25.0		50.4	26-122				
N-Nitrosodiphenylamine	18.7	5.00	"	25.0		74.8	23-149				
Phenol	5.58	5.00	"	25.0		22.3	10-110				
Pyridine	19.1	5.00	"	35.0		54.5	10-90				
Surrogate: 2-Fluorophenol	16.9		"	50.0		33.8	19.7-63.1				



Semivolatile 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 BI80010 - EPA 3510C

LCS (BI80010-BS1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

Surrogate: Phenol-d5	11.1		ug/L	50.0		22.2	10.1-41.7						
Surrogate: Nitrobenzene-d5	14.4		"	25.0		57.5	50.2-113						
Surrogate: 2-Fluorobiphenyl	18.9		"	25.0		75.6	39.9-105						
Surrogate: 2,4,6-Tribromophenol	40.1		"	50.0		80.3	39.3-151						
Surrogate: Terphenyl-d14	23.0		"	25.0		92.2	30.7-106						

LCS (BI80010-BS2)

Prepared: 09/04/2018 Analyzed: 09/05/2018

Acenaphthene	0.640	0.0500	ug/L	1.00		64.0	25-116						
Acenaphthylene	0.650	0.0500	"	1.00		65.0	26-116						
Anthracene	0.650	0.0500	"	1.00		65.0	25-123						
Benzo(a)anthracene	0.720	0.0500	"	1.00		72.0	33-125						
Benzo(a)pyrene	0.710	0.0500	"	1.00		71.0	32-132						
Benzo(b)fluoranthene	0.750	0.0500	"	1.00		75.0	22-137						
Benzo(g,h,i)perylene	0.880	0.0500	"	1.00		88.0	10-138						
Benzo(k)fluoranthene	0.730	0.0500	"	1.00		73.0	20-137						
Bis(2-ethylhexyl)phthalate	0.550	0.500	"	1.00		55.0	10-189						
Chrysene	0.680	0.0500	"	1.00		68.0	32-124						
Dibenzo(a,h)anthracene	0.850	0.0500	"	1.00		85.0	16-133						
Fluoranthene	0.830	0.0500	"	1.00		83.0	32-121						
Fluorene	0.720	0.0500	"	1.00		72.0	28-118						
Hexachlorobenzene	0.0500	0.0200	"	1.00		5.00	23-124			Low Bias			
Hexachlorobutadiene	0.610	0.500	"	1.00		61.0	15-123						
Hexachloroethane	0.550	0.500	"	1.00		55.0	18-115						
Indeno(1,2,3-cd)pyrene	0.840	0.0500	"	1.00		84.0	15-135						
Naphthalene	0.670	0.0500	"	1.00		67.0	18-120						
Nitrobenzene	0.840	0.250	"	1.00		84.0	21-121						
N-Nitrosodimethylamine	0.220	0.500	"	1.00		22.0	10-124						
Pentachlorophenol	1.20	0.250	"	1.00		120	10-156						
Phenanthrene	0.730	0.0500	"	1.00		73.0	24-127						
Pyrene	0.650	0.0500	"	1.00		65.0	31-132						



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80010 - EPA 3510C											
LCS Dup (BI80010-BSD1)											
Prepared: 09/04/2018 Analyzed: 09/05/2018											
1,1-Biphenyl	13.8	5.00	ug/L	25.0		55.1	33-95		8.75	20	
1,2,4,5-Tetrachlorobenzene	14.8	5.00	"	25.0		59.2	26-120		6.54	20	
1,2-Diphenylhydrazine (as Azobenzene)	11.8	5.00	"	25.0		47.2	16-141		6.17	20	
2,3,4,6-Tetrachlorophenol	41.3	5.00	"	25.0		165	30-130	High Bias	0.868	20	
2,4,5-Trichlorophenol	16.3	5.00	"	25.0		65.3	32-114		14.7	20	
2,4,6-Trichlorophenol	16.7	5.00	"	25.0		66.7	35-118		9.70	20	
2,4-Dichlorophenol	15.4	5.00	"	25.0		61.6	25-116		12.7	20	
2,4-Dimethylphenol	14.9	5.00	"	25.0		59.7	15-116		7.23	20	
2,4-Dinitrophenol	23.1	5.00	"	25.0		92.3	10-170		9.65	20	
2,4-Dinitrotoluene	18.3	5.00	"	25.0		73.2	41-128		3.44	20	
2,6-Dinitrotoluene	16.4	5.00	"	25.0		65.4	45-116		9.60	20	
2-Chloronaphthalene	14.0	5.00	"	25.0		55.9	33-112		8.10	20	
2-Chlorophenol	13.5	5.00	"	25.0		54.0	15-120		1.62	20	
2-Methylnaphthalene	14.3	5.00	"	25.0		57.4	24-118		9.81	20	
2-Methylphenol	10.7	5.00	"	25.0		43.0	10-110		3.48	20	
2-Nitroaniline	13.6	5.00	"	25.0		54.6	34-129		7.75	20	
2-Nitrophenol	13.6	5.00	"	25.0		54.4	28-118		8.65	20	
3- & 4-Methylphenols	9.61	5.00	"	25.0		38.4	10-107		3.58	20	
3,3-Dichlorobenzidine	11.8	5.00	"	25.0		47.4	15-187		8.56	20	
3-Nitroaniline	12.1	5.00	"	25.0		48.3	24-134		2.05	20	
4,6-Dinitro-2-methylphenol	19.4	5.00	"	25.0		77.5	10-153		4.05	20	
4-Bromophenyl phenyl ether	14.6	5.00	"	25.0		58.2	34-120		0.206	20	
4-Chloro-3-methylphenol	15.2	5.00	"	25.0		60.8	20-120		5.75	20	
4-Chloroaniline	10.2	5.00	"	25.0		40.7	10-147		4.11	20	
4-Chlorophenyl phenyl ether	16.8	5.00	"	25.0		67.3	27-121		12.0	20	
4-Nitroaniline	11.8	5.00	"	25.0		47.2	13-134		1.80	20	
4-Nitrophenol	9.13	5.00	"	25.0		36.5	10-131		21.6	20	Non-dir.
Acetophenone	13.3	5.00	"	25.0		53.2	25-110		4.48	20	
Aniline	6.95	5.00	"	25.0		27.8	10-117		3.26	20	
Benzaldehyde	13.4	5.00	"	25.0		53.4	29-117		14.2	20	
Benzoic acid	4.79	50.0	"	25.2		19.0	30-130	Low Bias	11.6	20	
Benzyl alcohol	10.9	5.00	"	25.0		43.8	10-117		2.97	20	
Benzyl butyl phthalate	18.2	5.00	"	25.0		72.8	29-133		12.9	20	
Bis(2-chloroethoxy)methane	12.2	5.00	"	25.0		48.8	10-154		4.57	20	
Bis(2-chloroethyl)ether	11.1	5.00	"	25.0		44.3	17-125		4.15	20	
Bis(2-chloroisopropyl)ether	10.5	5.00	"	25.0		42.1	10-139		8.72	20	
Caprolactam	3.66	5.00	"	25.0		14.6	10-137		14.4	20	
Carbazole	16.4	5.00	"	25.0		65.6	42-126		0.550	20	
Dibenzofuran	14.7	5.00	"	25.0		59.0	36-113		29.5	20	Non-dir.
Diethyl phthalate	17.9	5.00	"	25.0		71.8	38-115		11.4	20	
Dimethyl phthalate	16.5	5.00	"	25.0		65.9	38-129		11.5	20	
Di-n-butyl phthalate	15.7	5.00	"	25.0		62.8	31-120		3.38	20	
Di-n-octyl phthalate	17.7	5.00	"	25.0		70.9	21-149		11.9	20	
Diphenylamine	18.0	5.00	"	25.0		72.2	40-140		0.00	20	
Hexachlorocyclopentadiene	11.8	10.0	"	25.0		47.1	10-130		13.4	20	
Isophorone	12.2	5.00	"	25.0		48.7	25-127		12.8	20	
N-nitroso-di-n-propylamine	11.8	5.00	"	25.0		47.2	26-122		6.47	20	
N-Nitrosodiphenylamine	18.4	5.00	"	25.0		73.4	23-149		1.89	20	
Phenol	5.09	5.00	"	25.0		20.4	10-110		9.18	20	
Pyridine	17.0	5.00	"	35.0		48.7	10-90		11.2	20	
Surrogate: 2-Fluorophenol	17.3		"	50.0		34.5	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80010 - EPA 3510C

LCS Dup (BI80010-BSD1)

Prepared: 09/04/2018 Analyzed: 09/05/2018

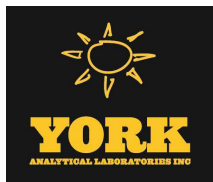
Surrogate: Phenol-d5	10.6		ug/L	50.0		21.2	10.1-41.7				
Surrogate: Nitrobenzene-d5	13.4		"	25.0		53.7	50.2-113				
Surrogate: 2-Fluorobiphenyl	17.2		"	25.0		68.8	39.9-105				
Surrogate: 2,4,6-Tribromophenol	38.1		"	50.0		76.3	39.3-151				
Surrogate: Terphenyl-d14	22.0		"	25.0		88.2	30.7-106				

Batch BI80113 - EPA 3550C

Blank (BI80113-BLK1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80113 - EPA 3550C

Blank (BI80113-BLK1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

Benzyl butyl phthalate	ND	0.0417	mg/kg wet								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	ND	0.0417	"								
Caprolactam	ND	0.0833	"								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Diphenylamine	ND	0.0833	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: 2-Fluorophenol	1.31		"	1.67		78.5	20-108				
Surrogate: Phenol-d5	1.23		"	1.67		74.0	23-114				
Surrogate: Nitrobenzene-d5	0.638		"	0.833		76.5	22-108				
Surrogate: 2-Fluorobiphenyl	0.610		"	0.833		73.2	21-113				
Surrogate: 2,4,6-Tribromophenol	1.46		"	1.67		87.5	19-110				
Surrogate: Terphenyl-d14	0.745		"	0.833		89.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80113 - EPA 3550C

LCS (BI80113-BS1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

1,1-Biphenyl	0.558	0.0417	mg/kg wet	0.833		67.0	18-111				
1,2,4,5-Tetrachlorobenzene	0.591	0.0833	"	0.833		70.9	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.482	0.0417	"	0.833		57.8	17-137				
2,3,4,6-Tetrachlorophenol	1.24	0.0833	"	0.833		149	30-130	High Bias			
2,4,5-Trichlorophenol	0.581	0.0417	"	0.833		69.7	27-118				
2,4,6-Trichlorophenol	0.591	0.0417	"	0.833		70.9	31-120				
2,4-Dichlorophenol	0.621	0.0417	"	0.833		74.5	20-127				
2,4-Dimethylphenol	0.624	0.0417	"	0.833		74.9	14-132				
2,4-Dinitrophenol	0.670	0.0833	"	0.833		80.4	10-171				
2,4-Dinitrotoluene	0.646	0.0417	"	0.833		77.6	34-131				
2,6-Dinitrotoluene	0.641	0.0417	"	0.833		77.0	31-128				
2-Chloronaphthalene	0.545	0.0417	"	0.833		65.4	31-117				
2-Chlorophenol	0.582	0.0417	"	0.833		69.8	33-113				
2-Methylnaphthalene	0.629	0.0417	"	0.833		75.4	12-138				
2-Methylphenol	0.560	0.0417	"	0.833		67.2	10-136				
2-Nitroaniline	0.624	0.0833	"	0.833		74.8	27-132				
2-Nitrophenol	0.631	0.0417	"	0.833		75.7	17-129				
3- & 4-Methylphenols	0.498	0.0417	"	0.833		59.8	29-103				
3,3-Dichlorobenzidine	0.659	0.0417	"	0.833		79.1	22-149				
3-Nitroaniline	0.565	0.0833	"	0.833		67.8	20-133				
4,6-Dinitro-2-methylphenol	0.657	0.0833	"	0.833		78.8	10-143				
4-Bromophenyl phenyl ether	0.575	0.0417	"	0.833		69.0	29-120				
4-Chloro-3-methylphenol	0.592	0.0417	"	0.833		71.1	24-129				
4-Chloroaniline	0.498	0.0417	"	0.833		59.8	10-132				
4-Chlorophenyl phenyl ether	0.566	0.0417	"	0.833		67.9	27-124				
4-Nitroaniline	0.623	0.0833	"	0.833		74.7	16-128				
4-Nitrophenol	0.505	0.0833	"	0.833		60.6	10-141				
Acenaphthene	0.536	0.0417	"	0.833		64.4	30-121				
Acenaphthylene	0.555	0.0417	"	0.833		66.6	30-115				
Acetophenone	0.515	0.0417	"	0.833		61.8	20-112				
Aniline	0.492	0.167	"	0.833		59.0	10-119				
Anthracene	0.623	0.0417	"	0.833		74.8	34-118				
Atrazine	0.645	0.0417	"	0.833		77.4	26-112				
Benzaldehyde	0.620	0.0417	"	0.833		74.4	21-100				
Benzo(a)anthracene	0.637	0.0417	"	0.833		76.4	32-122				
Benzo(a)pyrene	0.641	0.0417	"	0.833		76.9	29-133				
Benzo(b)fluoranthene	0.624	0.0417	"	0.833		74.9	25-133				
Benzo(g,h,i)perylene	0.600	0.0417	"	0.833		72.0	10-143				
Benzo(k)fluoranthene	0.609	0.0417	"	0.833		73.1	25-128				
Benzoic acid	0.557	0.0417	"	0.842		66.2	10-140				
Benzyl alcohol	0.588	0.0417	"	0.833		70.6	30-115				
Benzyl butyl phthalate	0.672	0.0417	"	0.833		80.6	26-126				
Bis(2-chloroethoxy)methane	0.580	0.0417	"	0.833		69.6	19-132				
Bis(2-chloroethyl)ether	0.543	0.0417	"	0.833		65.1	19-125				
Bis(2-chloroisopropyl)ether	0.576	0.0417	"	0.833		69.2	20-135				
Bis(2-ethylhexyl)phthalate	0.693	0.0417	"	0.833		83.1	10-155				
Caprolactam	0.806	0.0833	"	0.833		96.7	10-127				
Carbazole	0.574	0.0417	"	0.833		68.9	35-123				
Chrysene	0.621	0.0417	"	0.833		74.5	32-123				
Dibenzo(a,h)anthracene	0.600	0.0417	"	0.833		72.0	10-136				
Dibenzofuran	0.564	0.0417	"	0.833		67.7	29-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80113 - EPA 3550C

LCS (BI80113-BS1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

Diethyl phthalate	0.568	0.0417	mg/kg wet	0.833		68.2	34-116				
Dimethyl phthalate	0.571	0.0417	"	0.833		68.6	35-124				
Di-n-butyl phthalate	0.594	0.0417	"	0.833		71.3	31-116				
Di-n-octyl phthalate	0.695	0.0417	"	0.833		83.4	26-136				
Diphenylamine	0.673	0.0833	"	0.833		80.8	40-140				
Fluoranthene	0.632	0.0417	"	0.833		75.9	33-122				
Fluorene	0.564	0.0417	"	0.833		67.7	29-123				
Hexachlorobenzene	0.501	0.0417	"	0.833		60.1	21-124				
Hexachlorobutadiene	0.584	0.0417	"	0.833		70.0	10-149				
Hexachlorocyclopentadiene	0.616	0.0417	"	0.833		74.0	10-129				
Hexachloroethane	0.500	0.0417	"	0.833		60.0	28-108				
Indeno(1,2,3-cd)pyrene	0.745	0.0417	"	0.833		89.4	10-135				
Isophorone	0.577	0.0417	"	0.833		69.2	20-132				
Naphthalene	0.616	0.0417	"	0.833		74.0	23-124				
Nitrobenzene	0.548	0.0417	"	0.833		65.7	13-132				
N-Nitrosodimethylamine	0.591	0.0417	"	0.833		71.0	11-129				
N-nitroso-di-n-propylamine	0.481	0.0417	"	0.833		57.8	24-119				
N-Nitrosodiphenylamine	0.706	0.0417	"	0.833		84.7	22-152				
Pentachlorophenol	0.602	0.0417	"	0.833		72.2	10-139				
Phenanthrene	0.616	0.0417	"	0.833		73.9	33-123				
Phenol	0.568	0.0417	"	0.833		68.2	23-115				
Pyrene	0.634	0.0417	"	0.833		76.0	32-130				
Pyridine	0.484	0.167	"	0.833		58.1	10-91				
Surrogate: 2-Fluorophenol	1.19		"	1.67		71.4	20-108				
Surrogate: Phenol-d5	1.13		"	1.67		67.8	23-114				
Surrogate: Nitrobenzene-d5	0.573		"	0.833		68.7	22-108				
Surrogate: 2-Fluorobiphenyl	0.588		"	0.833		70.6	21-113				
Surrogate: 2,4,6-Tribromophenol	1.39		"	1.67		83.2	19-110				
Surrogate: Terphenyl-d14	0.711		"	0.833		85.3	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

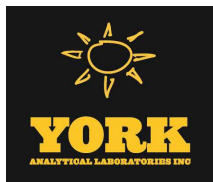
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80115 - EPA 3550C

Blank (BI80115-BLK1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80115 - EPA 3550C

Blank (BI80115-BLK1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

Dibenzofuran	ND	0.0417	mg/kg wet								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Diphenylamine	ND	0.0833	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
<i>Surrogate: 2-Fluorophenol</i>	1.23		"	1.67		73.7	20-108				
<i>Surrogate: Phenol-d5</i>	1.16		"	1.67		69.3	23-114				
<i>Surrogate: Nitrobenzene-d5</i>	0.634		"	0.833		76.1	22-108				
<i>Surrogate: 2-Fluorobiphenyl</i>	0.611		"	0.833		73.3	21-113				
<i>Surrogate: 2,4,6-Tribromophenol</i>	1.52		"	1.67		90.9	19-110				
<i>Surrogate: Terphenyl-d14</i>	0.752		"	0.833		90.2	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80115 - EPA 3550C

LCS (BI80115-BS1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

1,1-Biphenyl	0.574	0.0417	mg/kg wet	0.833		68.8	18-111				
1,2,4,5-Tetrachlorobenzene	0.596	0.0833	"	0.833		71.6	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.464	0.0417	"	0.833		55.6	17-137				
2,3,4,6-Tetrachlorophenol	1.14	0.0833	"	0.833		137	30-130	High Bias			
2,4,5-Trichlorophenol	0.591	0.0417	"	0.833		71.0	27-118				
2,4,6-Trichlorophenol	0.618	0.0417	"	0.833		74.1	31-120				
2,4-Dichlorophenol	0.699	0.0417	"	0.833		83.8	20-127				
2,4-Dimethylphenol	0.643	0.0417	"	0.833		77.2	14-132				
2,4-Dinitrophenol	0.704	0.0833	"	0.833		84.5	10-171				
2,4-Dinitrotoluene	0.618	0.0417	"	0.833		74.1	34-131				
2,6-Dinitrotoluene	0.620	0.0417	"	0.833		74.4	31-128				
2-Chloronaphthalene	0.554	0.0417	"	0.833		66.5	31-117				
2-Chlorophenol	0.585	0.0417	"	0.833		70.2	33-113				
2-Methylnaphthalene	0.685	0.0417	"	0.833		82.2	12-138				
2-Methylphenol	0.554	0.0417	"	0.833		66.5	10-136				
2-Nitroaniline	0.611	0.0833	"	0.833		73.4	27-132				
2-Nitrophenol	0.682	0.0417	"	0.833		81.9	17-129				
3- & 4-Methylphenols	0.507	0.0417	"	0.833		60.9	29-103				
3,3-Dichlorobenzidine	0.594	0.0417	"	0.833		71.3	22-149				
3-Nitroaniline	0.570	0.0833	"	0.833		68.4	20-133				
4,6-Dinitro-2-methylphenol	0.680	0.0833	"	0.833		81.6	10-143				
4-Bromophenyl phenyl ether	0.598	0.0417	"	0.833		71.7	29-120				
4-Chloro-3-methylphenol	0.631	0.0417	"	0.833		75.7	24-129				
4-Chloroaniline	0.536	0.0417	"	0.833		64.3	10-132				
4-Chlorophenyl phenyl ether	0.595	0.0417	"	0.833		71.4	27-124				
4-Nitroaniline	0.607	0.0833	"	0.833		72.8	16-128				
4-Nitrophenol	0.478	0.0833	"	0.833		57.3	10-141				
Acenaphthene	0.556	0.0417	"	0.833		66.7	30-121				
Acenaphthylene	0.549	0.0417	"	0.833		65.9	30-115				
Acetophenone	0.533	0.0417	"	0.833		64.0	20-112				
Aniline	0.483	0.167	"	0.833		57.9	10-119				
Anthracene	0.606	0.0417	"	0.833		72.7	34-118				
Atrazine	0.636	0.0417	"	0.833		76.3	26-112				
Benzaldehyde	0.615	0.0417	"	0.833		73.8	21-100				
Benzo(a)anthracene	0.606	0.0417	"	0.833		72.7	32-122				
Benzo(a)pyrene	0.628	0.0417	"	0.833		75.4	29-133				
Benzo(b)fluoranthene	0.595	0.0417	"	0.833		71.4	25-133				
Benzo(g,h,i)perylene	0.567	0.0417	"	0.833		68.0	10-143				
Benzo(k)fluoranthene	0.593	0.0417	"	0.833		71.2	25-128				
Benzoic acid	0.566	0.0417	"	0.842		67.3	10-140				
Benzyl alcohol	0.662	0.0417	"	0.833		79.5	30-115				
Benzyl butyl phthalate	0.592	0.0417	"	0.833		71.0	26-126				
Bis(2-chloroethoxy)methane	0.590	0.0417	"	0.833		70.8	19-132				
Bis(2-chloroethyl)ether	0.544	0.0417	"	0.833		65.2	19-125				
Bis(2-chloroisopropyl)ether	0.526	0.0417	"	0.833		63.2	20-135				
Bis(2-ethylhexyl)phthalate	0.627	0.0417	"	0.833		75.2	10-155				
Caprolactam	0.869	0.0833	"	0.833		104	10-127				
Carbazole	0.571	0.0417	"	0.833		68.5	35-123				
Chrysene	0.592	0.0417	"	0.833		71.0	32-123				
Dibenzo(a,h)anthracene	0.546	0.0417	"	0.833		65.6	10-136				
Dibenzofuran	0.577	0.0417	"	0.833		69.2	29-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80115 - EPA 3550C

LCS (BI80115-BS1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

Diethyl phthalate	0.577	0.0417	mg/kg wet	0.833		69.2	34-116			
Dimethyl phthalate	0.584	0.0417	"	0.833		70.0	35-124			
Di-n-butyl phthalate	0.578	0.0417	"	0.833		69.3	31-116			
Di-n-octyl phthalate	0.646	0.0417	"	0.833		77.6	26-136			
Diphenylamine	0.676	0.0833	"	0.833		81.2	40-140			
Fluoranthene	0.622	0.0417	"	0.833		74.6	33-122			
Fluorene	0.591	0.0417	"	0.833		70.9	29-123			
Hexachlorobenzene	0.518	0.0417	"	0.833		62.1	21-124			
Hexachlorobutadiene	0.665	0.0417	"	0.833		79.8	10-149			
Hexachlorocyclopentadiene	0.518	0.0417	"	0.833		62.1	10-129			
Hexachloroethane	0.520	0.0417	"	0.833		62.4	28-108			
Indeno(1,2,3-cd)pyrene	0.564	0.0417	"	0.833		67.7	10-135			
Isophorone	0.578	0.0417	"	0.833		69.4	20-132			
Naphthalene	0.636	0.0417	"	0.833		76.3	23-124			
Nitrobenzene	0.546	0.0417	"	0.833		65.5	13-132			
N-Nitrosodimethylamine	0.604	0.0417	"	0.833		72.4	11-129			
N-nitroso-di-n-propylamine	0.507	0.0417	"	0.833		60.9	24-119			
N-Nitrosodiphenylamine	0.683	0.0417	"	0.833		81.9	22-152			
Pentachlorophenol	0.547	0.0417	"	0.833		65.7	10-139			
Phenanthrene	0.600	0.0417	"	0.833		72.0	33-123			
Phenol	0.549	0.0417	"	0.833		65.9	23-115			
Pyrene	0.584	0.0417	"	0.833		70.1	32-130			
Pyridine	0.425	0.167	"	0.833		51.0	10-91			
<i>Surrogate: 2-Fluorophenol</i>	<i>1.22</i>		<i>"</i>	<i>1.67</i>		<i>73.5</i>	<i>20-108</i>			
<i>Surrogate: Phenol-d5</i>	<i>1.14</i>		<i>"</i>	<i>1.67</i>		<i>68.6</i>	<i>23-114</i>			
<i>Surrogate: Nitrobenzene-d5</i>	<i>0.586</i>		<i>"</i>	<i>0.833</i>		<i>70.3</i>	<i>22-108</i>			
<i>Surrogate: 2-Fluorobiphenyl</i>	<i>0.578</i>		<i>"</i>	<i>0.833</i>		<i>69.4</i>	<i>21-113</i>			
<i>Surrogate: 2,4,6-Tribromophenol</i>	<i>1.46</i>		<i>"</i>	<i>1.67</i>		<i>87.5</i>	<i>19-110</i>			
<i>Surrogate: Terphenyl-d14</i>	<i>0.655</i>		<i>"</i>	<i>0.833</i>		<i>78.6</i>	<i>24-116</i>			



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80114 - EPA 3550C

Blank (BI80114-BLK1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.00660	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								

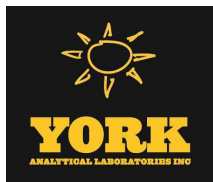
<i>Surrogate: Decachlorobiphenyl</i>	0.0534		"	0.0670		79.7	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0538		"	0.0673		79.9	30-150				

LCS (BI80114-BS1)

Prepared: 09/05/2018 Analyzed: 09/06/2018

4,4'-DDD	0.0357	0.000330	mg/kg wet	0.0333		107	40-140				
4,4'-DDE	0.0278	0.000330	"	0.0333		83.4	40-140				
4,4'-DDT	0.0323	0.000330	"	0.0333		96.9	40-140				
Aldrin	0.0341	0.000330	"	0.0333		102	40-140				
alpha-BHC	0.0367	0.000330	"	0.0333		110	40-140				
alpha-Chlordane	0.0329	0.000330	"	0.0333		98.8	40-140				
beta-BHC	0.0308	0.000330	"	0.0333		92.5	40-140				
delta-BHC	0.0384	0.000330	"	0.0333		115	40-140				
Dieldrin	0.0292	0.000330	"	0.0333		87.5	40-140				
Endosulfan I	0.0367	0.000330	"	0.0333		110	40-140				
Endosulfan II	0.0360	0.000330	"	0.0333		108	40-140				
Endosulfan sulfate	0.0346	0.000330	"	0.0333		104	40-140				
Endrin	0.0343	0.000330	"	0.0333		103	40-140				
Endrin aldehyde	0.0356	0.000330	"	0.0333		107	40-140				
Endrin ketone	0.0346	0.000330	"	0.0333		104	40-140				
gamma-BHC (Lindane)	0.0346	0.000330	"	0.0333		104	40-140				
gamma-Chlordane	0.0324	0.000330	"	0.0333		97.1	40-140				
Heptachlor	0.0324	0.000330	"	0.0333		97.2	40-140				
Heptachlor epoxide	0.0309	0.000330	"	0.0333		92.8	40-140				
Methoxychlor	0.0276	0.00165	"	0.0333		82.8	40-140				

<i>Surrogate: Decachlorobiphenyl</i>	0.0543		"	0.0670		81.1	30-150				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0569		"	0.0673		84.5	30-150				



Organochlorine Pesticides by GC/ECD - 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 BI80114 - EPA 3550C

Matrix Spike (BI80114-MS1)	*Source sample: 18H1425-08 (SP13_7-8)						Prepared: 09/05/2018 Analyzed: 09/07/2018				
4,4'-DDD	0.0236	0.00186	mg/kg dry	0.0375	ND	62.8	30-150				
4,4'-DDE	0.0186	0.00186	"	0.0375	ND	49.7	30-150				
4,4'-DDT	0.0208	0.00186	"	0.0375	ND	55.3	30-150				
Aldrin	0.0201	0.00186	"	0.0375	ND	53.4	30-150				
alpha-BHC	0.0233	0.00186	"	0.0375	ND	62.0	30-150				
alpha-Chlordane	0.0233	0.00186	"	0.0375	ND	62.2	30-150				
beta-BHC	0.0231	0.00186	"	0.0375	ND	61.6	30-150				
delta-BHC	0.0242	0.00186	"	0.0375	ND	64.5	30-150				
Dieldrin	0.0199	0.00186	"	0.0375	ND	52.9	30-150				
Endosulfan I	0.0239	0.00186	"	0.0375	ND	63.7	30-150				
Endosulfan II	0.0274	0.00186	"	0.0375	ND	73.1	30-150				
Endosulfan sulfate	0.0276	0.00186	"	0.0375	ND	73.5	30-150				
Endrin	0.0276	0.00186	"	0.0375	ND	73.6	30-150				
Endrin aldehyde	0.0271	0.00186	"	0.0375	ND	72.3	30-150				
Endrin ketone	0.0319	0.00186	"	0.0375	ND	84.9	30-150				
gamma-BHC (Lindane)	0.0237	0.00186	"	0.0375	ND	63.2	30-150				
gamma-Chlordane	0.0218	0.00186	"	0.0375	ND	58.2	30-150				
Heptachlor	0.0225	0.00186	"	0.0375	ND	60.1	30-150				
Heptachlor epoxide	0.0239	0.00186	"	0.0375	ND	63.6	30-150				
Methoxychlor	0.0232	0.00929	"	0.0375	ND	61.7	30-150				
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0538</i>		<i>"</i>	<i>0.0754</i>		<i>71.4</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0417</i>		<i>"</i>	<i>0.0758</i>		<i>55.1</i>	<i>30-150</i>				

Matrix Spike Dup (BI80114-MSD1)	*Source sample: 18H1425-08 (SP13_7-8)						Prepared: 09/05/2018 Analyzed: 09/07/2018				
4,4'-DDD	0.0205	0.00186	mg/kg dry	0.0375	ND	54.6	30-150	13.9	30		
4,4'-DDE	0.0176	0.00186	"	0.0375	ND	46.9	30-150	5.82	30		
4,4'-DDT	0.0174	0.00186	"	0.0375	ND	46.5	30-150	17.3	30		
Aldrin	0.0209	0.00186	"	0.0375	ND	55.8	30-150	4.26	30		
alpha-BHC	0.0235	0.00186	"	0.0375	ND	62.7	30-150	1.13	30		
alpha-Chlordane	0.0232	0.00186	"	0.0375	ND	61.9	30-150	0.540	30		
beta-BHC	0.0223	0.00186	"	0.0375	ND	59.5	30-150	3.40	30		
delta-BHC	0.0235	0.00186	"	0.0375	ND	62.6	30-150	2.96	30		
Dieldrin	0.0192	0.00186	"	0.0375	ND	51.0	30-150	3.65	30		
Endosulfan I	0.0232	0.00186	"	0.0375	ND	61.9	30-150	2.79	30		
Endosulfan II	0.0252	0.00186	"	0.0375	ND	67.3	30-150	8.24	30		
Endosulfan sulfate	0.0243	0.00186	"	0.0375	ND	64.9	30-150	12.5	30		
Endrin	0.0250	0.00186	"	0.0375	ND	66.7	30-150	9.74	30		
Endrin aldehyde	0.0248	0.00186	"	0.0375	ND	66.2	30-150	8.73	30		
Endrin ketone	0.0257	0.00186	"	0.0375	ND	68.5	30-150	21.4	30		
gamma-BHC (Lindane)	0.0236	0.00186	"	0.0375	ND	63.0	30-150	0.262	30		
gamma-Chlordane	0.0216	0.00186	"	0.0375	ND	57.6	30-150	1.03	30		
Heptachlor	0.0226	0.00186	"	0.0375	ND	60.2	30-150	0.299	30		
Heptachlor epoxide	0.0235	0.00186	"	0.0375	ND	62.6	30-150	1.68	30		
Methoxychlor	0.0189	0.00929	"	0.0375	ND	50.5	30-150	20.0	30		
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0433</i>		<i>"</i>	<i>0.0754</i>		<i>57.4</i>	<i>30-150</i>				
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0463</i>		<i>"</i>	<i>0.0758</i>		<i>61.0</i>	<i>30-150</i>				



Organochlorine Pesticides by GC/ECD - 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 Y8I0711 - BI80157

Performance Mix (Y8I0711-PEM1)

Prepared & Analyzed: 09/06/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.764		"	0.00			0-200				
4,4'-DDT	164		"	200		81.8	0-200				
Endrin	115		"	100		115	0-200				
Endrin aldehyde	1.84		"	0.00			0-200				
Endrin ketone	8.14		"	0.00			0-200				

Performance Mix (Y8I0711-PEM2)

Prepared & Analyzed: 09/06/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.869		"	0.00			0-200				
4,4'-DDT	189		"	200		94.6	0-200				
Endrin	127		"	100		127	0-200				
Endrin aldehyde	2.24		"	0.00			0-200				
Endrin ketone	6.89		"	0.00			0-200				

Batch Y8I1007 - BI80157

Performance Mix (Y8I1007-PEM1)

Prepared & Analyzed: 09/07/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.945		"	0.00			0-200				
4,4'-DDT	198		"	200		98.8	0-200				
Endrin	126		"	100		126	0-200				
Endrin aldehyde	2.29		"	0.00			0-200				
Endrin ketone	6.40		"	0.00			0-200				

Performance Mix (Y8I1007-PEM2)

Prepared & Analyzed: 09/07/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.842		"	0.00			0-200				
4,4'-DDT	193		"	200		96.4	0-200				
Endrin	125		"	100		125	0-200				
Endrin aldehyde	1.70		"	0.00			0-200				
Endrin ketone	6.15		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - 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 BH81620 - EPA SW846-3510C Low Level

Blank (BH81620-BLK1)

Prepared & Analyzed: 08/31/2018

Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.204		"	0.202		101	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.189		"	0.201		94.0	30-120				

LCS (BH81620-BS1)

Prepared & Analyzed: 08/31/2018

Aroclor 1016	1.03	0.0500	ug/L	1.00		103	40-120				
Aroclor 1260	0.981	0.0500	"	1.00		98.1	40-120				
<i>Surrogate: Tetrachloro-m-xylene</i>	0.197		"	0.202		97.5	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.190		"	0.201		94.5	30-120				

LCS Dup (BH81620-BSD1)

Prepared & Analyzed: 08/31/2018

Aroclor 1016	1.06	0.0500	ug/L	1.00		106	40-120	2.81	30		
Aroclor 1260	0.989	0.0500	"	1.00		98.9	40-120	0.792	30		
<i>Surrogate: Tetrachloro-m-xylene</i>	0.200		"	0.202		99.0	30-120				
<i>Surrogate: Decachlorobiphenyl</i>	0.198		"	0.201		98.5	30-120				

Batch BI80114 - EPA 3550C

Blank (BI80114-BLK2)

Prepared: 09/05/2018 Analyzed: 09/06/2018

Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								
<i>Surrogate: Tetrachloro-m-xylene</i>	0.0640		"	0.0673		95.0	30-140				
<i>Surrogate: Decachlorobiphenyl</i>	0.0547		"	0.0670		81.6	30-140				



Polychlorinated Biphenyls by GC/ECD - 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 BI80114 - EPA 3550C											
LCS (BI80114-BS2)						Prepared: 09/05/2018 Analyzed: 09/06/2018					
Aroclor 1016	0.359	0.0167	mg/kg wet	0.333		108	40-130				
Aroclor 1260	0.342	0.0167	"	0.333		103	40-130				
Surrogate: Tetrachloro-m-xylene	0.0620		"	0.0673		92.1	30-140				
Surrogate: Decachlorobiphenyl	0.0557		"	0.0670		83.1	30-140				
Matrix Spike (BI80114-MS2)						Prepared: 09/05/2018 Analyzed: 09/06/2018					
*Source sample: 18H1425-08 (SP13_7-8)											
Aroclor 1016	0.275	0.0188	mg/kg dry	0.375	ND	73.3	40-140				
Aroclor 1260	0.209	0.0188	"	0.375	ND	55.7	40-140				
Surrogate: Tetrachloro-m-xylene	0.0458		"	0.0758		60.4	30-140				
Surrogate: Decachlorobiphenyl	0.0263		"	0.0754		34.8	30-140				
Matrix Spike Dup (BI80114-MSD2)						Prepared: 09/05/2018 Analyzed: 09/06/2018					
*Source sample: 18H1425-08 (SP13_7-8)											
Aroclor 1016	0.316	0.0188	mg/kg dry	0.375	ND	84.2	40-140		13.8	50	
Aroclor 1260	0.258	0.0188	"	0.375	ND	68.8	40-140		21.1	50	
Surrogate: Tetrachloro-m-xylene	0.0552		"	0.0758		72.8	30-140				
Surrogate: Decachlorobiphenyl	0.0398		"	0.0754		52.7	30-140				



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 BI80253 - EPA 3050B

Blank (BI80253-BLK1)

Prepared & Analyzed: 09/07/2018

Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	ND	2.00	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	0.572	0.500	"								
Potassium	28.5	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	90.5	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.50	"								

Duplicate (BI80253-DUP1)

*Source sample: 18H1425-14 (Stockpile-NW)

Prepared & Analyzed: 09/07/2018

Aluminum	8540	5.37	mg/kg dry		8770				2.67	35	
Antimony	ND	0.537	"		ND					35	
Arsenic	2.88	1.07	"		2.88				0.00952	35	
Barium	99.4	1.07	"		91.1				8.66	35	
Beryllium	ND	0.107	"		ND					35	
Cadmium	0.433	0.322	"		0.423				2.35	35	
Calcium	47400	5.37	"		42100				12.0	35	
Chromium	17.2	0.537	"		16.7				3.18	35	
Cobalt	5.98	0.537	"		6.09				1.95	35	
Copper	17.5	0.537	"		17.7				0.962	35	
Iron	11000	2.15	"		11600				5.22	35	
Lead	56.6	0.537	"		46.5				19.5	35	
Magnesium	5110	5.37	"		3820				28.9	35	
Manganese	198	0.537	"		201				1.36	35	
Nickel	12.0	0.537	"		12.5				4.08	35	
Potassium	1810	5.37	"		1690				6.43	35	
Selenium	ND	1.07	"		ND					35	
Silver	ND	0.537	"		ND					35	
Sodium	199	10.7	"		287				36.1	35	Non-dir.
Thallium	ND	1.07	"		ND					35	
Vanadium	20.5	1.07	"		19.7				3.90	35	
Zinc	154	1.61	"		134				14.1	35	



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

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

Batch BI80253 - EPA 3050B

Matrix Spike (BI80253-MS1)	*Source sample: 18H1425-14 (Stockpile-NW)						Prepared & Analyzed: 09/07/2018				
Aluminum	9710	5.37	mg/kg dry	215	8770	437	75-125	High Bias			
Antimony	8.68	0.537	"	26.8	ND	32.4	75-125	Low Bias			
Arsenic	216	1.07	"	215	2.88	99.3	75-125				
Barium	321	1.07	"	215	91.1	107	75-125				
Beryllium	4.97	0.107	"	5.37	ND	92.7	75-125				
Cadmium	5.72	0.322	"	5.37	0.423	98.8	75-125				
Chromium	38.4	0.537	"	21.5	16.7	101	75-125				
Cobalt	61.7	0.537	"	53.7	6.09	104	75-125				
Copper	48.4	0.537	"	26.8	17.7	114	75-125				
Iron	12900	2.15	"	107	11600	NR	75-125	High Bias			
Lead	108	0.537	"	53.7	46.5	115	75-125				
Magnesium	4390	5.37	"	107	3820	529	75-125	High Bias			
Manganese	284	0.537	"	53.7	201	154	75-125	High Bias			
Nickel	72.1	0.537	"	53.7	12.5	111	75-125				
Potassium	2100	5.37	"	53.7	1690	750	75-125	High Bias			
Selenium	192	1.07	"	215	ND	89.4	75-125				
Silver	1.78	0.537	"	5.37	ND	33.1	75-125	Low Bias			
Sodium	363	10.7	"	107	287	71.4	75-125	Low Bias			
Thallium	208	1.07	"	215	ND	96.8	75-125				
Vanadium	74.4	1.07	"	53.7	19.7	102	75-125				
Zinc	208	1.61	"	53.7	134	137	75-125	High Bias			

Reference (BI80253-SRM1)	Prepared & Analyzed: 09/07/2018					
Aluminum	7440	5.00	mg/kg wet	8360	88.9	39.4-160.5
Antimony	80.0	0.500	"	75.5	106	25.1-275.7
Arsenic	158	1.00	"	161	98.3	69.9-132.9
Barium	246	1.00	"	260	94.8	71.5-136.3
Beryllium	96.6	0.100	"	97.6	99.0	75.4-138.1
Cadmium	196	0.300	"	211	93.1	73.3-141.5
Calcium	4670	5.00	"	4760	98.2	73.7-136.1
Chromium	128	0.500	"	136	94.3	69.1-143.3
Cobalt	49.3	0.500	"	48.2	102	74.6-142
Copper	163	0.500	"	166	98.4	72.7-141.6
Iron	12700	2.00	"	14100	90.4	35.6-163.9
Lead	107	0.500	"	111	96.7	70.8-137.1
Magnesium	2170	5.00	"	2340	92.7	63.6-136.1
Manganese	229	0.500	"	228	100	75.7-134.3
Nickel	101	0.500	"	91.9	110	70.7-146.3
Potassium	2090	5.00	"	2020	103	59.8-140.2
Selenium	166	1.00	"	191	86.7	67.1-136.8
Silver	40.9	0.500	"	43.3	94.4	66.5-139.5
Sodium	315	10.0	"	218	145	40.6-159.8
Thallium	147	1.00	"	156	94.0	68-136.2
Vanadium	49.9	1.00	"	56.7	88.0	58.9-141.8
Zinc	189	1.50	"	199	95.0	69.5-131.1



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 BI80256 - EPA 3015A

Blank (BI80256-BLK1)

Prepared & Analyzed: 09/07/2018

Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0111	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00556	"								
Copper	ND	0.00556	"								
Iron	ND	0.0222	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.00556	"								
Potassium	0.0887	0.0556	"								
Silver	ND	0.00556	"								
Sodium	0.284	0.111	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0167	"								

LCS (BI80256-BS1)

Prepared & Analyzed: 09/07/2018

Aluminum	2.08		ug/mL	2.00		104	80-120				
Barium	1.99		"	2.00		99.5	80-120				
Calcium	1.02		"	1.00		102	80-120				
Chromium	0.194		"	0.200		96.9	80-120				
Cobalt	0.493		"	0.500		98.7	80-120				
Copper	0.244		"	0.250		97.4	80-120				
Iron	1.02		"	1.00		102	80-120				
Lead	0.482		"	0.500		96.4	80-120				
Magnesium	1.02		"	1.00		102	80-120				
Manganese	0.504		"	0.500		101	80-120				
Nickel	0.487		"	0.500		97.3	80-120				
Potassium	1.10		"	0.500		220	80-120	High Bias			
Silver	0.0477		"	0.0500		95.4	80-120				
Sodium	1.24		"	1.00		124	80-120	High Bias			
Vanadium	0.477		"	0.500		95.4	80-120				
Zinc	0.467		"	0.500		93.4	80-120				



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

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

Batch BI80256 - EPA 3015A

Duplicate (BI80256-DUP1)	*Source sample: 18H1425-11 (TMW15_083018)						Prepared & Analyzed: 09/07/2018				
Aluminum	0.0749	0.0556	mg/L		0.0680				9.70	20	
Barium	0.0923	0.0111	"		0.0933				1.15	20	
Calcium	179	0.0556	"		180				0.214	20	
Chromium	ND	0.00556	"		ND					20	
Cobalt	ND	0.00556	"		ND					20	
Copper	0.0182	0.00556	"		0.0155				15.9	20	
Iron	0.325	0.0222	"		0.327				0.755	20	
Lead	ND	0.00556	"		ND					20	
Magnesium	359	0.0556	"		360				0.356	20	
Manganese	0.516	0.00556	"		0.516				0.0230	20	
Nickel	ND	0.00556	"		ND					20	
Potassium	139	0.0556	"		138				0.574	20	
Silver	ND	0.00556	"		ND					20	
Sodium	3680	0.111	"		3720				1.28	20	
Vanadium	ND	0.0111	"		ND					20	
Zinc	ND	0.0167	"		ND					20	

Matrix Spike (BI80256-MS1)	*Source sample: 18H1425-11 (TMW15_083018)						Prepared & Analyzed: 09/07/2018				
Aluminum	2.59	0.0556	mg/L	2.22	0.0680	113	75-125				
Barium	2.45	0.0111	"	2.22	0.0933	106	75-125				
Calcium	183	0.0556	"	1.11	180	269	75-125	High Bias			
Chromium	0.236	0.00556	"	0.222	ND	106	75-125				
Cobalt	0.605	0.00556	"	0.556	ND	109	75-125				
Copper	0.373	0.00556	"	0.278	0.0155	129	75-125	High Bias			
Iron	1.57	0.0222	"	1.11	0.327	112	75-125				
Lead	0.572	0.00556	"	0.556	ND	103	75-125				
Magnesium	363	0.0556	"	1.11	360	266	75-125	High Bias			
Manganese	1.12	0.00556	"	0.556	0.516	108	75-125				
Nickel	0.659	0.00556	"	0.556	ND	119	75-125				
Potassium	144	0.0556	"	0.556	138	957	75-125	High Bias			
Silver	0.0597	0.00556	"	0.0556	ND	108	75-125				
Sodium	3730	0.111	"	1.11	3720	643	75-125	High Bias			
Vanadium	0.575	0.0111	"	0.556	ND	104	75-125				
Zinc	0.651	0.0167	"	0.556	ND	117	75-125				



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 BI80258 - EPA 3015A

Blank (BI80258-BLK1)

Prepared & Analyzed: 09/07/2018

Aluminum - Dissolved	ND	0.0556	mg/L								
Barium - Dissolved	ND	0.0111	"								
Calcium - Dissolved	ND	0.0556	"								
Chromium - Dissolved	ND	0.00556	"								
Cobalt - Dissolved	ND	0.00556	"								
Copper - Dissolved	ND	0.00556	"								
Iron - Dissolved	0.0403	0.0222	"								
Lead - Dissolved	ND	0.00556	"								
Magnesium - Dissolved	ND	0.0556	"								
Manganese - Dissolved	ND	0.00556	"								
Nickel - Dissolved	ND	0.00556	"								
Potassium - Dissolved	0.415	0.0556	"								
Silver - Dissolved	ND	0.00556	"								
Sodium - Dissolved	1.25	0.111	"								
Vanadium - Dissolved	ND	0.0111	"								
Zinc - Dissolved	ND	0.0167	"								

LCS (BI80258-BS1)

Prepared & Analyzed: 09/07/2018

Aluminum - Dissolved	2.15		ug/mL	2.00	107	80-120					
Barium - Dissolved	2.13		"	2.00	106	80-120					
Calcium - Dissolved	1.07		"	1.00	107	80-120					
Chromium - Dissolved	0.207		"	0.200	103	80-120					
Cobalt - Dissolved	0.530		"	0.500	106	80-120					
Copper - Dissolved	0.260		"	0.250	104	80-120					
Iron - Dissolved	1.08		"	1.00	108	80-120					
Lead - Dissolved	0.503		"	0.500	101	80-120					
Magnesium - Dissolved	1.09		"	1.00	109	80-120					
Manganese - Dissolved	0.539		"	0.500	108	80-120					
Nickel - Dissolved	0.524		"	0.500	105	80-120					
Potassium - Dissolved	1.33		"	0.500	265	80-120				High Bias	
Silver - Dissolved	0.0520		"	0.0500	104	80-120					
Sodium - Dissolved	1.95		"	1.00	195	80-120				High Bias	
Vanadium - Dissolved	0.509		"	0.500	102	80-120					
Zinc - Dissolved	0.502		"	0.500	100	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 BI80258 - EPA 3015A

Duplicate (BI80258-DUP1)

*Source sample: 18H1425-11 (TMW15_083018)

Prepared & Analyzed: 09/07/2018

Aluminum - Dissolved	ND	0.0556	mg/L		ND						20
Barium - Dissolved	0.0944	0.0111	"		0.0931				1.40		20
Calcium - Dissolved	181	0.0556	"		179				1.32		20
Chromium - Dissolved	ND	0.00556	"		ND						20
Cobalt - Dissolved	ND	0.00556	"		ND						20
Copper - Dissolved	0.0150	0.00556	"		0.0151				0.757		20
Iron - Dissolved	0.335	0.0222	"		0.281				17.6		20
Lead - Dissolved	ND	0.00556	"		ND						20
Magnesium - Dissolved	363	0.0556	"		357				1.67		20
Manganese - Dissolved	0.519	0.00556	"		0.516				0.727		20
Nickel - Dissolved	ND	0.00556	"		ND						20
Potassium - Dissolved	145	0.0556	"		140				3.07		20
Silver - Dissolved	ND	0.00556	"		ND						20
Sodium - Dissolved	3770	0.111	"		3760				0.295		20
Vanadium - Dissolved	ND	0.0111	"		ND						20
Zinc - Dissolved	ND	0.0167	"		ND						20

Matrix Spike (BI80258-MS1)

*Source sample: 18H1425-11 (TMW15_083018)

Prepared & Analyzed: 09/07/2018

Barium - Dissolved	2.27	0.0111	mg/L	2.22	0.0931	97.7	75-125				
Chromium - Dissolved	0.218	0.00556	"	0.222	ND	97.9	75-125				
Cobalt - Dissolved	0.555	0.00556	"	0.556	ND	100	75-125				
Copper - Dissolved	0.347	0.00556	"	0.278	0.0151	119	75-125				
Iron - Dissolved	1.39	0.0222	"	1.11	0.281	99.6	75-125				
Lead - Dissolved	0.521	0.00556	"	0.556	ND	93.7	75-125				
Manganese - Dissolved	1.07	0.00556	"	0.556	0.516	99.0	75-125				
Nickel - Dissolved	0.605	0.00556	"	0.556	ND	109	75-125				
Silver - Dissolved	0.0604	0.00556	"	0.0556	ND	109	75-125				
Vanadium - Dissolved	0.531	0.0111	"	0.556	ND	95.6	75-125				
Zinc - Dissolved	0.550	0.0167	"	0.556	ND	98.9	75-125				



Metals by ICP/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					Limit			

Batch BI80260 - EPA 3015A

Blank (BI80260-BLK1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Antimony	ND	0.00111	mg/L										
Arsenic	ND	0.00111	"										
Beryllium	ND	0.00111	"										
Cadmium	ND	0.00111	"										
Selenium	ND	0.00111	"										
Thallium	ND	0.00111	"										

LCS (BI80260-BS1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Antimony	55.6		ug/L	50.0		111	80-120						
Arsenic	52.3		"	50.0		105	80-120						
Beryllium	50.5		"	50.0		101	80-120						
Cadmium	54.5		"	50.0		109	80-120						
Selenium	51.6		"	50.0		103	80-120						
Thallium	56.7		"	50.0		113	80-120						

Duplicate (BI80260-DUP1)

*Source sample: 18H1425-11 (TMW15_083018)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Antimony	ND	0.00111	mg/L		ND							20	
Arsenic	0.00150	0.00111	"		0.00117					25.4		20	Non-dir.
Beryllium	ND	0.00111	"		ND							20	
Cadmium	ND	0.00111	"		ND							20	
Selenium	0.105	0.00111	"		0.105					0.113		20	
Thallium	ND	0.00111	"		ND							20	

Matrix Spike (BI80260-MS1)

*Source sample: 18H1425-11 (TMW15_083018)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Antimony	55.5		ug/L	50.0	0.390	110	75-125						
Arsenic	57.8		"	50.0	1.05	114	75-125						
Beryllium	47.9		"	50.0	0.009	95.9	75-125						
Cadmium	48.4		"	50.0	0.021	96.8	75-125						
Selenium	155		"	50.0	94.6	121	75-125						
Thallium	65.5		"	50.0	0.537	130	75-125			High Bias			



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

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

Batch BI80261 - EPA 3015A

Blank (BI80261-BLK1)

Prepared: 09/07/2018 Analyzed: 09/11/2018

Antimony - Dissolved	ND	0.00111	mg/L								
Arsenic - Dissolved	ND	0.00111	"								
Beryllium - Dissolved	ND	0.00111	"								
Cadmium - Dissolved	ND	0.00111	"								
Selenium - Dissolved	ND	0.00111	"								
Thallium - Dissolved	ND	0.00111	"								

LCS (BI80261-BS1)

Prepared: 09/07/2018 Analyzed: 09/11/2018

Antimony - Dissolved	54.3		ug/L	50.0		109	80-120				
Arsenic - Dissolved	51.3		"	50.0		103	80-120				
Beryllium - Dissolved	48.1		"	50.0		96.3	80-120				
Cadmium - Dissolved	52.6		"	50.0		105	80-120				
Selenium - Dissolved	50.4		"	50.0		101	80-120				
Thallium - Dissolved	54.3		"	50.0		109	80-120				

Duplicate (BI80261-DUP1)

*Source sample: 18H1425-11 (TMW15_083018)

Prepared: 09/07/2018 Analyzed: 09/11/2018

Antimony - Dissolved	ND	0.00111	mg/L		ND						20
Arsenic - Dissolved	0.00141	0.00111	"		0.00165					15.5	20
Beryllium - Dissolved	ND	0.00111	"		ND						20
Cadmium - Dissolved	ND	0.00111	"		ND						20
Selenium - Dissolved	0.108	0.00111	"		0.114					5.60	20
Thallium - Dissolved	ND	0.00111	"		ND						20

Matrix Spike (BI80261-MS1)

*Source sample: 18H1425-11 (TMW15_083018)

Prepared: 09/07/2018 Analyzed: 09/11/2018

Antimony - Dissolved	57.7		ug/L	50.0	0.501	114	75-125				
Arsenic - Dissolved	57.2		"	50.0	1.49	111	75-125				
Beryllium - Dissolved	45.8		"	50.0	0.004	91.5	75-125				
Cadmium - Dissolved	50.6		"	50.0	0.026	101	75-125				
Selenium - Dissolved	173		"	50.0	103	140	75-125	High Bias			
Thallium - Dissolved	54.4		"	50.0	0.545	108	75-125				



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 BI80018 - EPA 7473 water											
Duplicate (BI80018-DUP1)		*Source sample: 18H1425-11 (TMW15_083018)					Prepared & Analyzed: 09/04/2018				
Mercury	ND	0.00020	mg/L		ND					20	
Matrix Spike (BI80018-MS1)		*Source sample: 18H1425-11 (TMW15_083018)					Prepared & Analyzed: 09/04/2018				
Mercury	0.0101		mg/L	0.0100	0.00	101	75-125				
Reference (BI80018-SRM1)							Prepared & Analyzed: 09/04/2018				
Mercury	0.0103		mg/L	0.0100		103	70-130				
Batch BI80019 - EPA 7473 water											
Blank (BI80019-BLK1)							Prepared & Analyzed: 09/04/2018				
Mercury - Dissolved	ND	0.0002000	mg/L								
Reference (BI80019-SRM1)							Prepared & Analyzed: 09/04/2018				
Mercury - Dissolved	0.01108		mg/L	0.0100		111	70-130				
Batch BI80021 - EPA 7473 soil											
Blank (BI80021-BLK1)							Prepared & Analyzed: 09/04/2018				
Mercury	ND	0.0300	mg/kg wet								
Reference (BI80021-SRM1)							Prepared & Analyzed: 09/04/2018				
Mercury	12.308		mg/kg	13.8		89.2	51.4-168.8				



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 BI80027 - Analysis Preparation											
Blank (BI80027-BLK1)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BI80027-BS1)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent	0.439	0.0100	mg/L	0.500		87.8	80-120				
Batch BI80079 - EPA SW846-3060											
Blank (BI80079-BLK1)										Prepared & Analyzed: 09/05/2018	
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BI80079-SRM1)										Prepared & Analyzed: 09/05/2018	
Chromium, Hexavalent	34.2		mg/L	76.9		44.5	20.3-212				
Batch BI80100 - Analysis Preparation Soil											
Blank (BI80100-BLK1)										Prepared & Analyzed: 09/05/2018	
Cyanide, total	ND	0.500	mg/kg wet								
Reference (BI80100-SRM1)										Prepared & Analyzed: 09/05/2018	
Cyanide, total	48.1		ug/mL	41.4		116	34.3-167				
Batch BI80161 - EPA SW846-3060											
Blank (BI80161-BLK1)										Prepared & Analyzed: 09/06/2018	
Chromium, Hexavalent	ND	0.500	mg/kg wet								



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 BI80161 - EPA SW846-3060											
Reference (BI80161-SRM1)							Prepared & Analyzed: 09/06/2018				
Chromium, Hexavalent	30.2		mg/L	76.9		39.2	20.3-212				
Batch BI80180 - Analysis Preparation Soil											
Blank (BI80180-BLK1)							Prepared & Analyzed: 09/06/2018				
Cyanide, total	ND	0.500	mg/kg wet								
Reference (BI80180-SRM1)							Prepared & Analyzed: 09/06/2018				
Cyanide, total	37.9		ug/mL	41.4		91.5	34.3-167				
Batch BI80181 - Analysis Preparation											
Blank (BI80181-BLK1)							Prepared & Analyzed: 09/06/2018				
Cyanide, total	ND	0.0100	mg/L								
LCS (BI80181-BS1)							Prepared & Analyzed: 09/06/2018				
Cyanide, total	0.176	0.0100	mg/L	0.200		88.0	76.2-107				
Batch BI80344 - EPA SW846-3060											
Blank (BI80344-BLK1)							Prepared & Analyzed: 09/10/2018				
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BI80344-SRM1)							Prepared & Analyzed: 09/10/2018				
Chromium, Hexavalent	10.8		mg/L	50.0		21.6	0-200				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18H1425-01	SP16_0-2	40mL Vial with Stir Bar-Cool 4° C
18H1425-02	SP16_10-11	40mL Vial with Stir Bar-Cool 4° C
18H1425-03	SP15_0-2	40mL Vial with Stir Bar-Cool 4° C
18H1425-04	SP15_10-11	40mL Vial with Stir Bar-Cool 4° C
18H1425-05	SP14_0-2	40mL Vial with Stir Bar-Cool 4° C
18H1425-06	SP14_9-10	40mL Vial with Stir Bar-Cool 4° C
18H1425-07	SP13_0-2	40mL Vial with Stir Bar-Cool 4° C
18H1425-08	SP13_7-8	40mL Vial with Stir Bar-Cool 4° C
18H1425-09	SP12_0-2	40mL Vial with Stir Bar-Cool 4° C
18H1425-10	SP12_6-7	40mL Vial with Stir Bar-Cool 4° C
18H1425-11	TMW15_083018	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18H1425-12	Stockpile-S	40mL Vial with Stir Bar-Cool 4° C
18H1425-13	Stockpile-NE	40mL Vial with Stir Bar-Cool 4° C
18H1425-14	Stockpile-NW	40mL Vial with Stir Bar-Cool 4° C
18H1425-15	TB03_083018	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

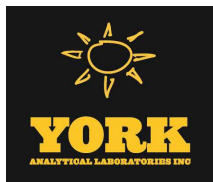


Sample and Data Qualifiers Relating to This Work Order

M-Spk	The spike recovery is not applicable due to the concentration of this element being >10 X the spike 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).
HT-01	This result was reported from an analysis conducted outside of the EPA recommended holding time.
IC-INT	Due to the presence of matrix interference or high levels of target analyte, this sample was run at a dilution.
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).
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.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-CRL	The RL check for this element recovered outside of control limits.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-SRD1	The serial dilution for this element was outside control limits.
QL-02	This LCS analyte is outside Laboratory Recovery limits due to the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
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.
S-08	The recovery of this surrogate was outside of QC limits.
S-09	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect confirmed by re-extraction and re-analysis of the sample.
SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
See attach	See attached
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.



- Reported to This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
- NR Not reported
- RPD Relative Percent Difference
- Wet The data has been reported on an as-received (wet weight) basis
- Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
- Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



YORK Analytical Laboratories, Inc.
 120 Research Drive
 Stratford, CT 06615
 clientservices@yorklab.com
 www.yorklab.com



YOUR INFORMATION

Company: **LANGAN**
 Address: **360 W. 31st St**
8th fl N.Y.C.
 Phone: **(212) 479-5400**
 Contact: **Julia Lewis**
 E-mail: **jlewis@langan.com**

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)

Report To:

Company: **Same**
 Address:
 Phone:
 Contact:
 E-mail:

Invoice To:

Company: **Same**
 Address:
 Phone:
 Contact:
 E-mail:

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 PROJECT NUMBER

170502901
 YOUR Project Name
 320 W. Forsham
 Road
 CSX lots

YOUR PO#:

Report / EDD Type (circle selections)

Summary Report
 QA Report
 NY ASP A Package
 NY ASP B Package
 Other:

YORK Reg. Comp.

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

Turn-Around Time

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

Analysis Requested

TCL VOCs SVOC, PCBs, Pesticides cyanide (TAL methods, hexachloro, trichloro)

Container Description

Sample Identification

Sample Matrix	Date/Time Sampled
S	8/30/18 0825
S	8/30/18 0835
S	8/30/18 1010
S	8/30/18 1020
S	8/30/18 1155
S	8/30/18 1205
S	8/30/18 1235
S	8/30/18 1245
S	8/30/18 1345
S	8/30/18 1350

Comments:

Sample Identification	Date/Time	Company	Sample Matrix	Date/Time	Company	Analysis Requested	Report / EDD Type	Turn-Around Time	Special Instruction
SP16-0-2	8/30/18 310	Langan	S	8/30/18 355	YORK	TCL VOCs SVOC, PCBs, Pesticides cyanide	Standard Excel EDD	Standard (5-7 Day)	Field Filtered
SP16-10-11	8/30/18 450	Langan	S	8/30/18 455	YORK	TCL VOCs SVOC, PCBs, Pesticides cyanide	Standard Excel EDD	Standard (5-7 Day)	Lab to Filter
SP15-0-2			S						
SP15-10-11			S						
SP14-0-2			S						
SP14-9-10			S						
SP13-0-2			S						
SP13-7-8			S						
SP12-0-2			S						
SP12-6-7			S						



York Analytical Laboratories, Inc.
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 Stratford, CT 06615
 clientservices@yorklab.com
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Field Chain-of-Custody Record

YORK Project No.
 18H1425

Page 2 of 2

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:	LANSAN	Company:	SAME	Company:	SAME	170502901		RUSH - Next Day	
Address:	360 W. 3151st 8th Fl, NY, NY	Address:		Address:		YOUR Project Name		RUSH - Two Day	
Phone:		Phone:		Phone:		320 W. Fordham Road CSX Lots		RUSH - Three Day	
Contact:		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)</p>									
Sample Identification	Sample Matrix	Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.	Container Description			
TMW15-083018	GW	S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other	New York New Jersey Connecticut Pennsylvania Other	Summary Report QA Report NY ASP A Package NY ASP B Package	Compared to the following Regulation(s): (please fill in)	TCL VOCs, SVOCs, PCBs, metals (total and dissolved) inc tri & hex Chrome, NYSDEC target list PFA's.			
Stockpile-S	S		8/30/18 0830			TCL VOCs SVOCs, PCBs, pesticides, metals (cyanide plus hex & trichloro)			
Stockpile-NE	S		8/30/18, 845						
Stockpile-NW	S		8/30/18, 840						
TB03-083018	TB		08/30/18, 1445			TCL VOCs			
<p>Comments:</p> <p>HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___</p>									
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Special Instruction			
[Signature]	8/30/18 355	[Signature]	8/30/18 3pm	[Signature]	8/30/18	Field Filtered Lab to Filter			
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Date/Time			
[Signature]	8/30/18 450	[Signature]	8/30/18	[Signature]	8/30/18	Date/Time			
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Temp. Received at Lab			
[Signature]		[Signature]		[Signature]		2.7 Degrees C			

September 17, 2018

Richard August
York Analytical Labs
120 Research Drive
Stratford, CT 06615

Project Location: 18H1425
Client Job Number:
Project Number: 18H1425
Laboratory Work Order Number: 18I0026

Enclosed are results of analyses for samples received by the laboratory on September 4, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

York Analytical Labs
120 Research Drive
Stratford, CT 06615
ATTN: Richard August

REPORT DATE: 9/17/2018

PURCHASE ORDER NUMBER: 19370

PROJECT NUMBER: 18H1425

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18I0026

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 18H1425

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
18H1425-11	18I0026-01	Water		SOP 434-PFAAS	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SOP 434-PFAAS

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

Perfluorooctanesulfonamide (FOS):
B211963-BS1

S-26

Surrogate outside of control limits.

Analyte & Samples(s) Qualified:

d5-NEtFOSAA
B211963-BS1

V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

8:2 Fluorotelomersulfonate (8:2 FT)
S027303-CCV2, S027303-CCV3

V-32

Opening calibration verification was within control criteria. Closing calibration verification was outside of criteria and biased on the high side. Re-analysis yielded similar non-conformance, matrix interference confirmed.

Analyte & Samples(s) Qualified:

6:2 Fluorotelomersulfonate (6:2 FT)
S027303-CCV3

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Lisa A. Worthington
Project Manager

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 18H1425

Sample Description:

Work Order: 18I0026

Date Received: 9/4/2018

Field Sample #: 18H1425-11

Sampled: 8/30/2018 13:10

Sample ID: 18I0026-01

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	2.5	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorohexanoic acid (PFHxA)	2.9	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorobutanoic acid (PFBA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorooctanesulfonamide (FOSA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluoropentanoic acid (PFPeA)	4.1	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
6:2 Fluorotelomersulfonate (6:2 FTS)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
8:2 Fluorotelomersulfonate (8:2 FTS)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorooctanoic acid (PFOA)	4.0	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorooctanesulfonic acid (PFOS)	5.1	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
NMeFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
NEtFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorotridecanoic acid (PFTTrDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/14/18 17:56	KAF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C-PFHxA	126	70-130	9/14/18 17:56						
13C-PFDA	105	70-130	9/14/18 17:56						
d5-NEtFOSAA	93.4	70-130	9/14/18 17:56						

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Sample Extraction Data

Prep Method: EPA 537-SOP 434-PFAAS

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0026-01 [18H1425-11]	B211963	250	1.00	09/12/18

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B211963 - EPA 537										
Blank (B211963-BLK1)										
Prepared: 09/12/18 Analyzed: 09/14/18										
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorobutanoic acid (PFBA)	ND	2.0	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L							
Perfluorooctanesulfonamide (FOSA)	ND	2.0	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L							
6:2 Fluorotelomersulfonate (6:2 FTS)	ND	2.0	ng/L							
8:2 Fluorotelomersulfonate (8:2 FTS)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	10.5		ng/L	12.0		87.9	70-130			
Surrogate: 13C-PFDA	13.1		ng/L	12.0		109	70-130			
Surrogate: d5-NEtFOSAA	58.4		ng/L	48.0		122	70-130			
LCS (B211963-BS1)										
Prepared: 09/12/18 Analyzed: 09/14/18										
Perfluorobutanesulfonic acid (PFBS)	6.88	2.0	ng/L	8.85		77.7	70-130			
Perfluorohexanoic acid (PFHxA)	7.93	2.0	ng/L	10.0		79.3	70-130			
Perfluoroheptanoic acid (PFHpA)	8.49	2.0	ng/L	10.0		84.9	70-130			
Perfluorobutanoic acid (PFBA)	7.68	2.0	ng/L	10.0		76.8	30-110			
Perfluorodecanesulfonic acid (PFDS)	9.69	2.0	ng/L	9.65		100	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	6.94	2.0	ng/L	9.50		73.1	70-130			
Perfluorooctanesulfonamide (FOSA)	2.62	2.0	ng/L	10.0		26.2 *	30-110			L-04
Perfluoropentanoic acid (PFPeA)	7.66	2.0	ng/L	10.0		76.6	70-130			
6:2 Fluorotelomersulfonate (6:2 FTS)	12.3	2.0	ng/L	9.50		130	70-130			
8:2 Fluorotelomersulfonate (8:2 FTS)	11.9	2.0	ng/L	9.60		124	70-130			
Perfluorohexanesulfonic acid (PFHxS)	7.99	2.0	ng/L	9.10		87.8	70-130			
Perfluorooctanoic acid (PFOA)	9.19	2.0	ng/L	10.0		91.9	70-130			
Perfluorooctanesulfonic acid (PFOS)	8.00	2.0	ng/L	9.25		86.5	70-130			
Perfluorononanoic acid (PFNA)	9.09	2.0	ng/L	10.0		90.9	70-130			
Perfluorodecanoic acid (PFDA)	9.63	2.0	ng/L	10.0		96.3	70-130			
NMeFOSAA	9.14	2.0	ng/L	10.0		91.4	70-130			
Perfluoroundecanoic acid (PFUnA)	9.55	2.0	ng/L	10.0		95.5	70-130			
NEtFOSAA	10.8	2.0	ng/L	10.0		108	70-130			
Perfluorododecanoic acid (PFDoA)	9.42	2.0	ng/L	10.0		94.2	70-130			
Perfluorotridecanoic acid (PFTrDA)	9.61	2.0	ng/L	10.0		96.1	70-130			
Perfluorotetradecanoic acid (PFTA)	9.21	2.0	ng/L	10.0		92.1	70-130			
Surrogate: 13C-PFHxA	12.9		ng/L	12.0		107	70-130			
Surrogate: 13C-PFDA	15.1		ng/L	12.0		126	70-130			
Surrogate: d5-NEtFOSAA	69.2		ng/L	48.0		144 *	70-130			S-26

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
S-26	Surrogate outside of control limits.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound.
V-32	Opening calibration verification was within control criteria. Closing calibration verification was outside of criteria and biased on the high side. Re-analysis yielded similar non-conformance, matrix interference confirmed.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
---------	----------------

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

1810026

YORK

Analytical Laboratories, Inc.

8/30/2018

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody York Project No.: 18H1425

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific parameters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com Mail/Fax Hard Copies to: York Analytical at the address below

SENDING LABORATORY:

York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
Phone: 203.325.1371
Fax: 203.357.0166
Contact: York Analytical

RECEIVING LABORATORY:

Con-Test Analytical Laboratory
39 Spruce Street
East Long Meadow, MA 01028
Phone :(413) 525-2332
Fax: (413) 525-6405

Sample ID: 18H1425-11

Matrix: Water

Date Sampled : 08/30/2018 13:10

<u>Analysis Needed</u>	<u>Date Due</u>	<u>Holding Time Expires</u>	<u>Comments</u>
PFAS in Water by EPA 537	09/14/2018 16:30	09/13/2018 13:10	

Containers Supplied:

10_250mL Square Plastic Cool to 4° C (M)	10_250mL Square Plastic Cool to 4° C (N)	10_250mL Square Plastic Cool to 4° C (O)
10_250mL Square Plastic Cool to 4° C (P)	10_250mL Square Plastic Cool to 4° C (Q)	

York Purchase Order No.: 19370

Samples from State of: NY

Deliverables required: NYSDEC ASP B

EDDs required: Client Specific

Data Pkg DUE: 09/28/2018

Chain-of-Custody Information

Tom Gabrielson	8/30/2018	<i>[Signature]</i>	9/4/18	8 AM
Released By York Sample Control	Date	Received By	Date	
<i>[Signature]</i>	9/4/18	<i>[Signature]</i>	3:0	9/4/18 12:15
Received By	Date	Received in Subcontract Lab By	Date	
		<i>[Signature]</i>	HP	

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples _____



con-test
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client York

Received By RAP Date 9/4/18 Time 1215

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
 Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 557 Actual Temp - 3.0
 By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
 Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? _____
 Did COC include all pertinent Information? Client T Analysis T Sampler Name F
 Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T
 Are there Lab to Filters? F Who was notified? _____
 Are there Rushes? F Who was notified? _____
 Are there Short Holds? F Who was notified? _____

Is there enough Volume? T
 Is there Headspace where applicable? F MS/MSD? F
 Proper Media/Containers Used? T Is splitting samples required? F
 Were trip blanks received? F On COC? F
 Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Unused Media

Vials	#	Containers:	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic	16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic	8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint	2oz Amb/Clear
DI-		Other Plastic		Other Glass	Encore
Thiosulfate-		SOC Kit		Plastic Bag	Frozen:
Sulfuric-		Perchlorate		Ziplock	

Comments:

18I0026

YORK

Analytical Laboratories, Inc.

9/7/2018

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody Rev. 9/7/18
York Project No.: 18H1425

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific parameters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com Mail/Fax Hard Copies to: York Analytical at the address below

SENDING LABORATORY:

York Analytical Laboratories, Inc.
 120 Research Drive
 Stratford, CT 06615
 Phone: 203.325.1371
 Fax: 203.357.0166
 Contact: York Analytical

RECEIVING LABORATORY:

Con-Test Analytical Laboratory
 39 Spruce Street
 East Long Meadow, MA 01028
 Phone : (413) 525-2332
 Fax: (413) 525-6405

Sample ID: 18H1425-11

Matrix: Water

Date Sampled : 08/30/2018 13:10

<u>Analysis Needed</u>	<u>Date Due</u>	<u>Holding Time Expires</u>	<u>Comments</u>
PFAS in Water by EPA 537	09/14/2018 16:30	09/13/2018 13:10	

Containers Supplied:

10_250mL Square Plastic Cool to 4° C (M) 10_250mL Square Plastic Cool to 4° C (N) 10_250mL Square Plastic Cool to 4° C (O)
 10_250mL Square Plastic Cool to 4° C (P) 10_250mL Square Plastic Cool to 4° C (Q)

York Purchase Order No.: **19370**

Samples from State of: NY

Deliverables required:

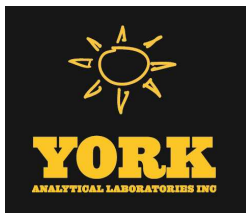
EDDs required: **NYSDEC EQUIS**

Data Pkg DUE:

Chain-of-Custody Information

Tom Gabrielson 9/7/2018

Released By	Date	Received By	Date
Released By York Sample Control			
Received By	Date	Received in Subcontract Lab By	Date



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Julia Leung

Report Date: 09/07/2018

Client Project ID: 170502901

York Project (SDG) No.: 18I0007



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 09/07/2018
Client Project ID: 170502901
York Project (SDG) No.: 18I0007

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Julia Leung

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 31, 2018 and listed below. The project was identified as your project: **170502901**.

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>
18I0007-01	SV15_083118	Soil Vapor	08/31/2018	08/31/2018
18I0007-02	SV12_083118	Soil Vapor	08/31/2018	08/31/2018
18I0007-03	SV11_083118	Soil Vapor	08/31/2018	08/31/2018

General Notes for York Project (SDG) No.: 18I0007

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: 09/07/2018





Sample Information

Client Sample ID: SV15_083118

York Sample ID: 1810007-01

<u>York Project (SDG) No.</u> 1810007	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> August 31, 2018 9:37 am	<u>Date Received</u> 08/31/2018
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Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.602	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 08:18	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.87	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.87	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.65	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.16	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
95-63-6	1,2,4-Trimethylbenzene	25		ug/m ³	0.79	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.96	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.65	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.74	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
108-67-8	1,3,5-Trimethylbenzene	9.9		ug/m ³	0.79	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.96	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.74	1.602	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 08:18	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.96	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
78-93-3	2-Butanone	36		ug/m ³	0.47	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS



Sample Information

Client Sample ID: SV15_083118

York Sample ID: 18I0007-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0007

170502901

Soil Vapor

August 31, 2018 9:37 am

08/31/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	18		ug/m ³	1.3	1.602	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 08:18	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	2.5	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
108-10-1	4-Methyl-2-pentanone	ND		ug/m ³	0.66	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
67-64-1	Acetone	130		ug/m ³	0.76	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.35	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
71-43-2	Benzene	2.6		ug/m ³	0.51	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.83	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
75-25-2	Bromoform	ND		ug/m ³	1.7	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.62	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
75-15-0	Carbon disulfide	22		ug/m ³	0.50	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.25	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.74	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.42	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
67-66-3	Chloroform	8.1		ug/m ³	0.78	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
74-87-3	Chloromethane	ND		ug/m ³	0.33	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.16	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.73	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
110-82-7	Cyclohexane	ND		ug/m ³	0.55	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.79	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.602	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 08:18	LDS



Sample Information

Client Sample ID: SV15_083118

York Sample ID: 18I0007-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1810007

170502901

Soil Vapor

August 31, 2018 9:37 am

08/31/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	12		ug/m ³	0.70	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.7	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
67-63-0	Isopropanol	4.3		ug/m ³	0.79	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.66	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m ³	0.58	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
75-09-2	Methylene chloride	5.0		ug/m ³	1.1	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
142-82-5	n-Heptane	4.2		ug/m ³	0.66	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
110-54-3	n-Hexane	3.8		ug/m ³	0.56	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
95-47-6	o-Xylene	22		ug/m ³	0.70	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
179601-23-1	p- & m- Xylenes	45		ug/m ³	1.4	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
622-96-8	* p-Ethyltoluene	24		ug/m ³	0.79	1.602	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 08:18	LDS
115-07-1	* Propylene	24		ug/m ³	0.28	1.602	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 08:18	LDS
100-42-5	Styrene	ND		ug/m ³	0.68	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
127-18-4	Tetrachloroethylene	17		ug/m ³	0.27	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.94	1.602	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 08:18	LDS
108-88-3	Toluene	19		ug/m ³	0.60	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.64	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.73	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
79-01-6	Trichloroethylene	ND		ug/m ³	0.22	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.90	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.56	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.70	1.602	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 08:18	LDS



Sample Information

Client Sample ID: SV15_083118

York Sample ID: 18I0007-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0007

170502901

Soil Vapor

August 31, 2018 9:37 am

08/31/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.10	1.602	EPA TO-15	09/06/2018 08:06	09/06/2018 08:18	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
	Surrogate Recoveries	Result					Acceptance Range			
460-00-4	Surrogate: p-Bromofluorobenzene	104 %					70-130			

Methane

Log-in Notes:

Sample Notes:

Sample Prepared by Method: PREP for GASES by GC

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* Methane	ND		ppmv	16	1.6	GC/FID	09/07/2018 09:46	09/07/2018 10:21	RQB
							Certifications:			



Sample Information

Client Sample ID: SV12_083118

York Sample ID: 18I0007-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0007

170502901

Soil Vapor

August 31, 2018 8:57 am

08/31/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.595	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 09:23	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.87	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.2	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.87	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.65	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.16	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
95-63-6	1,2,4-Trimethylbenzene	25		ug/m ³	0.78	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.2	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	0.96	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.65	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.74	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.1	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
108-67-8	1,3,5-Trimethylbenzene	10		ug/m ³	0.78	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
106-99-0	1,3-Butadiene	ND		ug/m ³	1.1	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	0.96	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.74	1.595	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 09:23	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	0.96	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.1	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
78-93-3	2-Butanone	60		ug/m ³	0.47	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS



Sample Information

Client Sample ID: SV12_083118

York Sample ID: 18I0007-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0007

170502901

Soil Vapor

August 31, 2018 8:57 am

08/31/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	23		ug/m ³	1.3	1.595	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 09:23	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	2.5	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
108-10-1	4-Methyl-2-pentanone	9.9		ug/m ³	0.65	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
67-64-1	Acetone	240		ug/m ³	7.6	15.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 12:25	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.35	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
71-43-2	Benzene	47		ug/m ³	0.51	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.83	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
75-27-4	Bromodichloromethane	66		ug/m ³	1.1	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
75-25-2	Bromoform	ND		ug/m ³	1.6	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.62	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
75-15-0	Carbon disulfide	510		ug/m ³	5.0	15.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 12:25	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.25	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.73	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.42	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
67-66-3	Chloroform	440		ug/m ³	7.8	15.95	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 12:25	LDS
74-87-3	Chloromethane	ND		ug/m ³	0.33	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m ³	0.16	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.72	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
110-82-7	Cyclohexane	10		ug/m ³	0.55	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
124-48-1	Dibromochloromethane	6.9		ug/m ³	1.4	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.79	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.1	1.595	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 09:23	LDS



Sample Information

Client Sample ID: SV12_083118

York Sample ID: 18I0007-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0007

170502901

Soil Vapor

August 31, 2018 8:57 am

08/31/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	24		ug/m ³	0.69	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.7	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
67-63-0	Isopropanol	5.2		ug/m ³	0.78	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.65	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	4.3		ug/m ³	0.58	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
75-09-2	Methylene chloride	7.9		ug/m ³	1.1	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
142-82-5	n-Heptane	15		ug/m ³	0.65	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
110-54-3	n-Hexane	13		ug/m ³	0.56	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
95-47-6	o-Xylene	23		ug/m ³	0.69	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
179601-23-1	p- & m- Xylenes	46		ug/m ³	1.4	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
622-96-8	* p-Ethyltoluene	23		ug/m ³	0.78	1.595	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 09:23	LDS
115-07-1	* Propylene	26		ug/m ³	0.27	1.595	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 09:23	LDS
100-42-5	Styrene	9.9		ug/m ³	0.68	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
127-18-4	Tetrachloroethylene	11		ug/m ³	0.27	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.94	1.595	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 09:23	LDS
108-88-3	Toluene	33		ug/m ³	0.60	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.63	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.72	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
79-01-6	Trichloroethylene	6.3		ug/m ³	0.21	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	37		ug/m ³	0.90	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.56	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.70	1.595	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 09:23	LDS



Sample Information

Client Sample ID: SV12_083118

York Sample ID: 18I0007-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0007

170502901

Soil Vapor

August 31, 2018 8:57 am

08/31/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.10	1.595	EPA TO-15	09/06/2018 08:06	09/06/2018 09:23	LDS
							Certifications: NELAC-NY12058,NJDEP-Queens			
	Surrogate Recoveries	Result					Acceptance Range			
460-00-4	Surrogate: p-Bromofluorobenzene	119 %					70-130			

Methane

Log-in Notes:

Sample Notes:

Sample Prepared by Method: PREP for GASES by GC

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* Methane	63		ppmv	16	1.6	GC/FID	09/07/2018 09:46	09/07/2018 10:40	RQB
							Certifications:			



Sample Information

Client Sample ID: SV11_083118

York Sample ID: 18I0007-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0007

170502901

Soil Vapor

August 31, 2018 12:09 pm

08/31/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m ³	1.1	1.668	EPA TO-15 Certifications:	09/05/2018 22:53	09/05/2018 22:53	LDS
71-55-6	1,1,1-Trichloroethane	ND		ug/m ³	0.91	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m ³	1.1	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m ³	1.3	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
79-00-5	1,1,2-Trichloroethane	ND		ug/m ³	0.91	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
75-34-3	1,1-Dichloroethane	ND		ug/m ³	0.68	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
75-35-4	1,1-Dichloroethylene	ND		ug/m ³	0.17	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m ³	1.2	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
95-63-6	1,2,4-Trimethylbenzene	350		ug/m ³	0.82	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
106-93-4	1,2-Dibromoethane	ND		ug/m ³	1.3	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
95-50-1	1,2-Dichlorobenzene	ND		ug/m ³	1.0	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
107-06-2	1,2-Dichloroethane	ND		ug/m ³	0.68	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
78-87-5	1,2-Dichloropropane	ND		ug/m ³	0.77	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m ³	1.2	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
108-67-8	1,3,5-Trimethylbenzene	300		ug/m ³	0.82	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
106-99-0	1,3-Butadiene	120		ug/m ³	1.1	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
541-73-1	1,3-Dichlorobenzene	ND		ug/m ³	1.0	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
142-28-9	* 1,3-Dichloropropane	ND		ug/m ³	0.77	1.668	EPA TO-15 Certifications:	09/05/2018 22:53	09/05/2018 22:53	LDS
106-46-7	1,4-Dichlorobenzene	ND		ug/m ³	1.0	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
123-91-1	1,4-Dioxane	ND		ug/m ³	1.2	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
78-93-3	2-Butanone	440		ug/m ³	20	66.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 10:24	LDS



Sample Information

Client Sample ID: SV11_083118

York Sample ID: 18I0007-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0007

170502901

Soil Vapor

August 31, 2018 12:09 pm

08/31/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	ND		ug/m ³	1.4	1.668	EPA TO-15 Certifications:	09/05/2018 22:53	09/05/2018 22:53	LDS
107-05-1	3-Chloropropene	ND		ug/m ³	2.6	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
108-10-1	4-Methyl-2-pentanone	340	E	ug/m ³	0.68	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
67-64-1	Acetone	1800		ug/m ³	32	66.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 10:24	LDS
107-13-1	Acrylonitrile	ND		ug/m ³	0.36	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
71-43-2	Benzene	1500		ug/m ³	21	66.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 10:24	LDS
100-44-7	Benzyl chloride	ND		ug/m ³	0.86	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
75-27-4	Bromodichloromethane	ND		ug/m ³	1.1	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
75-25-2	Bromoform	ND		ug/m ³	1.7	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
74-83-9	Bromomethane	ND		ug/m ³	0.65	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
75-15-0	Carbon disulfide	1400		ug/m ³	21	66.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 10:24	LDS
56-23-5	Carbon tetrachloride	ND		ug/m ³	0.26	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
108-90-7	Chlorobenzene	ND		ug/m ³	0.77	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
75-00-3	Chloroethane	ND		ug/m ³	0.44	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
67-66-3	Chloroform	ND		ug/m ³	0.81	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
74-87-3	Chloromethane	15		ug/m ³	0.34	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
156-59-2	cis-1,2-Dichloroethylene	53		ug/m ³	0.17	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m ³	0.76	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
110-82-7	Cyclohexane	760		ug/m ³	23	66.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 10:24	LDS
124-48-1	Dibromochloromethane	ND		ug/m ³	1.4	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
75-71-8	Dichlorodifluoromethane	ND		ug/m ³	0.82	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
141-78-6	* Ethyl acetate	ND		ug/m ³	1.2	1.668	EPA TO-15 Certifications:	09/05/2018 22:53	09/05/2018 22:53	LDS



Sample Information

Client Sample ID: SV11_083118

York Sample ID: 18I0007-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0007

170502901

Soil Vapor

August 31, 2018 12:09 pm

08/31/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	1000		ug/m ³	29	66.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 10:24	LDS
87-68-3	Hexachlorobutadiene	ND		ug/m ³	1.8	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
67-63-0	Isopropanol	17		ug/m ³	0.82	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
80-62-6	Methyl Methacrylate	ND		ug/m ³	0.68	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	5600		ug/m ³	24	66.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 10:24	LDS
75-09-2	Methylene chloride	ND		ug/m ³	1.2	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
142-82-5	n-Heptane	1600		ug/m ³	27	66.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 10:24	LDS
110-54-3	n-Hexane	2000		ug/m ³	24	66.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 10:24	LDS
95-47-6	o-Xylene	1100		ug/m ³	29	66.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 10:24	LDS
179601-23-1	p- & m- Xylenes	2000		ug/m ³	58	66.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 10:24	LDS
622-96-8	* p-Ethyltoluene	610		ug/m ³	33	66.72	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 10:24	LDS
115-07-1	* Propylene	2300		ug/m ³	11	66.72	EPA TO-15 Certifications:	09/06/2018 08:06	09/06/2018 10:24	LDS
100-42-5	Styrene	ND		ug/m ³	0.71	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
127-18-4	Tetrachloroethylene	32		ug/m ³	0.28	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
109-99-9	* Tetrahydrofuran	ND		ug/m ³	0.98	1.668	EPA TO-15 Certifications:	09/05/2018 22:53	09/05/2018 22:53	LDS
108-88-3	Toluene	1600		ug/m ³	25	66.72	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 08:06	09/06/2018 10:24	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m ³	0.66	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m ³	0.76	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
79-01-6	Trichloroethylene	46		ug/m ³	0.22	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m ³	0.94	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
108-05-4	Vinyl acetate	ND		ug/m ³	0.59	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS
593-60-2	Vinyl bromide	ND		ug/m ³	0.73	1.668	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 22:53	09/05/2018 22:53	LDS



Sample Information

Client Sample ID: SV11_083118

York Sample ID: 18I0007-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0007

170502901

Soil Vapor

August 31, 2018 12:09 pm

08/31/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/m ³	0.11	1.668	EPA TO-15	09/05/2018 22:53	09/05/2018 22:53	LDS
	Surrogate Recoveries	Result					Acceptance Range			
460-00-4	Surrogate: p-Bromofluorobenzene	124 %					70-130			

Certifications: NELAC-NY12058,NJDEP-Queens

Methane

Log-in Notes:

Sample Notes:

Sample Prepared by Method: PREP for GASES by GC

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* Methane	9000		ppmv	17	1.67	GC/FID	09/07/2018 09:46	09/07/2018 10:43	RQB

Certifications:



Analytical Batch Summary

Batch ID: BI80158

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
18I0007-01	SV15_083118	09/06/18
18I0007-02	SV12_083118	09/06/18
18I0007-02RE1	SV12_083118	09/06/18
18I0007-03	SV11_083118	09/05/18
18I0007-03RE1	SV11_083118	09/06/18
BI80158-BLK1	Blank	09/05/18
BI80158-BS1	LCS	09/05/18

Batch ID: BI80257

Preparation Method: PREP for GASES by GC

Prepared By: RQB

YORK Sample ID	Client Sample ID	Preparation Date
18I0007-01	SV15_083118	09/07/18
18I0007-02	SV12_083118	09/07/18
18I0007-03	SV11_083118	09/07/18
BI80257-BLK1	Blank	09/07/18
BI80257-DUP1	Duplicate	09/07/18



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80158 - EPA TO15 PREP

Blank (BI80158-BLK1)

Prepared & Analyzed: 09/05/2018

1,1,1,2-Tetrachloroethane	ND	0.69	ug/m ³								
1,1,1-Trichloroethane	ND	0.55	"								
1,1,2,2-Tetrachloroethane	ND	0.69	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.77	"								
1,1,2-Trichloroethane	ND	0.55	"								
1,1-Dichloroethane	ND	0.40	"								
1,1-Dichloroethylene	ND	0.099	"								
1,2,4-Trichlorobenzene	ND	0.74	"								
1,2,4-Trimethylbenzene	ND	0.49	"								
1,2-Dibromoethane	ND	0.77	"								
1,2-Dichlorobenzene	ND	0.60	"								
1,2-Dichloroethane	ND	0.40	"								
1,2-Dichloropropane	ND	0.46	"								
1,2-Dichlorotetrafluoroethane	ND	0.70	"								
1,3,5-Trimethylbenzene	ND	0.49	"								
1,3-Butadiene	ND	0.66	"								
1,3-Dichlorobenzene	ND	0.60	"								
1,3-Dichloropropane	ND	0.46	"								
1,4-Dichlorobenzene	ND	0.60	"								
1,4-Dioxane	ND	0.72	"								
2-Butanone	ND	0.29	"								
2-Hexanone	ND	0.82	"								
3-Chloropropene	ND	1.6	"								
4-Methyl-2-pentanone	ND	0.41	"								
Acetone	ND	0.48	"								
Acrylonitrile	ND	0.22	"								
Benzene	ND	0.32	"								
Benzyl chloride	ND	0.52	"								
Bromodichloromethane	ND	0.67	"								
Bromoform	ND	1.0	"								
Bromomethane	ND	0.39	"								
Carbon disulfide	ND	0.31	"								
Carbon tetrachloride	ND	0.16	"								
Chlorobenzene	ND	0.46	"								
Chloroethane	ND	0.26	"								
Chloroform	ND	0.49	"								
Chloromethane	ND	0.21	"								
cis-1,2-Dichloroethylene	ND	0.099	"								
cis-1,3-Dichloropropylene	ND	0.45	"								
Cyclohexane	ND	0.34	"								
Dibromochloromethane	ND	0.85	"								
Dichlorodifluoromethane	ND	0.49	"								
Ethyl acetate	ND	0.72	"								
Ethyl Benzene	ND	0.43	"								
Hexachlorobutadiene	ND	1.1	"								
Isopropanol	ND	0.49	"								
Methyl Methacrylate	ND	0.41	"								
Methyl tert-butyl ether (MTBE)	ND	0.36	"								
Methylene chloride	ND	0.69	"								
n-Heptane	ND	0.41	"								



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80158 - EPA TO15 PREP

Blank (BI80158-BLK1)

Prepared & Analyzed: 09/05/2018

n-Hexane	ND	0.35	ug/m ³								
o-Xylene	ND	0.43	"								
p- & m- Xylenes	ND	0.87	"								
p-Ethyltoluene	ND	0.49	"								
Propylene	ND	0.17	"								
Styrene	ND	0.43	"								
Tetrachloroethylene	ND	0.17	"								
Tetrahydrofuran	ND	0.59	"								
Toluene	ND	0.38	"								
trans-1,2-Dichloroethylene	ND	0.40	"								
trans-1,3-Dichloropropylene	ND	0.45	"								
Trichloroethylene	ND	0.13	"								
Trichlorofluoromethane (Freon 11)	ND	0.56	"								
Vinyl acetate	ND	0.35	"								
Vinyl bromide	ND	0.44	"								
Vinyl Chloride	ND	0.064	"								

Surrogate: p-Bromofluorobenzene 8.40 ppbv 10.0 84.0 70-130

LCS (BI80158-BS1)

Prepared & Analyzed: 09/05/2018

1,1,1,2-Tetrachloroethane	9.16		ppbv	10.0		91.6	70-130				
1,1,1-Trichloroethane	11.3		"	10.0		113	70-130				
1,1,2,2-Tetrachloroethane	9.40		"	10.0		94.0	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0		108	70-130				
1,1,2-Trichloroethane	10.8		"	10.0		108	70-130				
1,1-Dichloroethane	11.0		"	10.0		110	70-130				
1,1-Dichloroethylene	11.3		"	10.0		113	70-130				
1,2,4-Trichlorobenzene	6.69		"	10.0		66.9	70-130	Low Bias			
1,2,4-Trimethylbenzene	10.2		"	10.0		102	70-130				
1,2-Dibromoethane	10.5		"	10.0		105	70-130				
1,2-Dichlorobenzene	9.53		"	10.0		95.3	70-130				
1,2-Dichloroethane	10.7		"	10.0		107	70-130				
1,2-Dichloropropane	10.4		"	10.0		104	70-130				
1,2-Dichlorotetrafluoroethane	11.0		"	10.0		110	70-130				
1,3,5-Trimethylbenzene	9.86		"	10.0		98.6	70-130				
1,3-Butadiene	9.73		"	10.0		97.3	70-130				
1,3-Dichlorobenzene	9.60		"	10.0		96.0	70-130				
1,3-Dichloropropane	10.4		"	10.0		104	70-130				
1,4-Dichlorobenzene	9.16		"	10.0		91.6	70-130				
1,4-Dioxane	9.71		"	10.0		97.1	70-130				
2-Butanone	10.4		"	10.0		104	70-130				
2-Hexanone	10.7		"	10.0		107	70-130				
3-Chloropropene	10.9		"	10.0		109	70-130				
4-Methyl-2-pentanone	10.4		"	10.0		104	70-130				
Acetone	9.65		"	10.0		96.5	70-130				
Acrylonitrile	10.2		"	10.0		102	70-130				
Benzene	10.8		"	10.0		108	70-130				
Benzyl chloride	7.50		"	10.0		75.0	70-130				
Bromodichloromethane	10.7		"	10.0		107	70-130				
Bromoform	10.4		"	10.0		104	70-130				
Bromomethane	9.89		"	10.0		98.9	70-130				
Carbon disulfide	11.7		"	10.0		117	70-130				



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

York Analytical Laboratories, Inc.

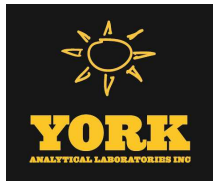
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80158 - EPA TO15 PREP

LCS (BI80158-BS1)

Prepared & Analyzed: 09/05/2018

Carbon tetrachloride	12.3		ppbv	10.0		123	70-130				
Chlorobenzene	8.74		"	10.0		87.4	70-130				
Chloroethane	10.5		"	10.0		105	70-130				
Chloroform	11.0		"	10.0		110	70-130				
Chloromethane	8.99		"	10.0		89.9	70-130				
cis-1,2-Dichloroethylene	9.59		"	10.0		95.9	70-130				
cis-1,3-Dichloropropylene	11.4		"	10.0		114	70-130				
Cyclohexane	11.1		"	10.0		111	70-130				
Dibromochloromethane	11.1		"	10.0		111	70-130				
Dichlorodifluoromethane	10.4		"	10.0		104	70-130				
Ethyl acetate	10.4		"	10.0		104	70-130				
Ethyl Benzene	9.05		"	10.0		90.5	70-130				
Hexachlorobutadiene	10.1		"	10.0		101	70-130				
Isopropanol	11.4		"	10.0		114	70-130				
Methyl Methacrylate	11.2		"	10.0		112	70-130				
Methyl tert-butyl ether (MTBE)	33.5		"	10.0		335	70-130	High Bias			
Methylene chloride	9.35		"	10.0		93.5	70-130				
n-Heptane	11.0		"	10.0		110	70-130				
n-Hexane	11.2		"	10.0		112	70-130				
o-Xylene	9.93		"	10.0		99.3	70-130				
p- & m- Xylenes	17.4		"	20.0		87.2	70-130				
p-Ethyltoluene	10.5		"	10.0		105	70-130				
Propylene	8.85		"	10.0		88.5	70-130				
Styrene	10.5		"	10.0		105	70-130				
Tetrachloroethylene	10.1		"	10.0		101	70-130				
Tetrahydrofuran	10.5		"	10.0		105	70-130				
Toluene	10.8		"	10.0		108	70-130				
trans-1,2-Dichloroethylene	11.0		"	10.0		110	70-130				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	70-130				
Trichloroethylene	11.2		"	10.0		112	70-130				
Trichlorofluoromethane (Freon 11)	10.9		"	10.0		109	70-130				
Vinyl acetate	24.0		"	10.0		240	70-130	High Bias			
Vinyl bromide	11.3		"	10.0		113	70-130				
Vinyl Chloride	10.3		"	10.0		103	70-130				
Surrogate: p-Bromofluorobenzene	9.75		"	10.0		97.5	70-130				



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
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Batch BI80257 - PREP for GASES by GC

Blank (BI80257-BLK1)

Prepared & Analyzed: 09/07/2018

Methane ND 10 ppmv

Duplicate (BI80257-DUP1)

*Source sample: 18I0007-01 (SV15_083118)

Prepared & Analyzed: 09/07/2018

Methane ND 16 ppmv ND 20





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.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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





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Field Chain-of-Custody Record - AIR

YORK Project No.
181007

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

Page 1 of 1

YOUR Information		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company: LANGAN	Company: SANG	Company: SANG	Company: SANG	Company: SANG	Company: SANG	170502901	RUSH - Next Day	RUSH - Two Day	RUSH - Three Day
Address: 360 W. 31st St 8th FL NY, NY	Address:	Address:	Address:	Address:	Address:	320 W. Fordham Road CSX Lots	RUSH - Four Day	Standard (5-7 Day)	
Phone: 212 477 5400	Phone:	Phone:	Phone:	Phone:	Phone:				
Contact: Julia Leung	Contact:	Contact:	Contact:	Contact:	Contact:				
E-mail: JLeung@Tangan.com	E-mail:	E-mail:	E-mail:	E-mail:	E-mail:				

YOUR Project Name
320 W. Fordham Road
CSX Lots

YOUR PO#:

Air Matrix Codes		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.		
AI - Indoor Ambient Air	New York	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)			
AO - Outdoor Amb. Air	New Jersey	QA Report	CT RCP DQA/DUE	EQUS (Standard)				
AE - Vapor Extraction Well/ Process Gas/Effluent	Connecticut	NY ASP A Package	NJDEP Reduced Deliv.	NYSDEC EQUS				
AS - Soil Vapor/Sub-Slab	Pennsylvania	NY ASP B Package	NJDKQP	NJDEP SRP HazSite				
	Other	Other:						

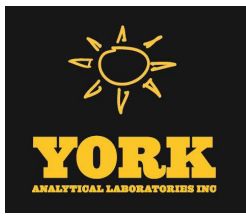
Certified Canisters: Batch _____ Individual _____

Reporting Units: ug/m³ _____ ppbv _____ ppmv _____

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
SV15-083118	8/31/18 9:37	AS	26.69	4.94	28307	Y47	TO-15 VOCs + MP-Phenol ↓
SV12-083118	8/31/18 8:57	AS	28.32	4.97	28303	3542	
SV11-083118	8/31/18 12:09	AS	29.64	6.06	23943	Y36	
SV11-083118							

Comments:

Sample Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Detection Limits Required	Sampling Media
Shoreline	8/31/18 3:00 p.m.	Schuyler / York	8/31/18 3:00 p.m.	≤ 1 ug/m ³ Routine Survey NYSDEC V1 Limits Other	6 Liter Canister Tedlar Bag
		Schuyler / York	8/31/18 8:34		
		Schuyler / York	8/31/18 18:24		



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Julia Leung

Report Date: 09/11/2018

Client Project ID: 170502901

York Project (SDG) No.: 18I0021

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
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STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 09/11/2018
Client Project ID: 170502901
York Project (SDG) No.: 18I0021

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Julia Leung

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 31, 2018 and listed below. The project was identified as your project: **170502901**.

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>
18I0021-01	SP11_1-2	Soil	08/31/2018	08/31/2018
18I0021-02	SP11_5-6	Soil	08/31/2018	08/31/2018
18I0021-03	TMW12_083118	Water	08/31/2018	08/31/2018
18I0021-04	TMW11_083118	Water	08/31/2018	08/31/2018
18I0021-05	TMW14_083118	Water	08/31/2018	08/31/2018
18I0021-06	TB04_083118	Water	08/31/2018	08/31/2018

General Notes for York Project (SDG) No.: 18I0021

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: 09/11/2018





Sample Information

Client Sample ID: SP11_1-2

York Sample ID: 18I0021-01

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 31, 2018 11:20 am	<u>Date Received</u> 08/31/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 07:30	09/06/2018 19:23	RDS
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 07:30	09/06/2018 19:23	RDS
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
95-63-6	1,2,4-Trimethylbenzene	0.0015	J	mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
108-67-8	1,3,5-Trimethylbenzene	0.0016	J	mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.031	0.062	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
78-93-3	2-Butanone	0.0025	J	mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS



Sample Information

Client Sample ID: SP11_1-2

York Sample ID: 1810021-01

<u>York Project (SDG) No.</u> 1810021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 31, 2018 11:20 am	<u>Date Received</u> 08/31/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
67-64-1	Acetone	0.0092	SCAL-E	mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS



Sample Information

Client Sample ID: SP11_1-2

York Sample ID: 18I0021-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Soil

August 31, 2018 11:20 am

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0031	0.0062	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS



Sample Information

Client Sample ID: SP11_1-2

York Sample ID: 18I0021-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Soil

August 31, 2018 11:20 am

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0015	0.0031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/06/2018 07:30	09/06/2018 19:23	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0046	0.0093	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/06/2018 07:30	09/06/2018 19:23	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	107 %			77-125						
2037-26-5	Surrogate: Toluene-d8	103 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	112 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
91-57-6	2-Methylnaphthalene	0.131		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR



Sample Information

Client Sample ID: SP11_1-2

York Sample ID: 18I0021-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Soil

August 31, 2018 11:20 am

08/31/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
208-96-8	Acenaphthylene	0.241		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
62-53-3	Aniline	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
120-12-7	Anthracene	0.143		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
92-87-5	Benzidine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
56-55-3	Benzo(a)anthracene	0.448		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR



Sample Information

Client Sample ID: SP11_1-2

York Sample ID: 18I0021-01

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 31, 2018 11:20 am	<u>Date Received</u> 08/31/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.603		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
205-99-2	Benzo(b)fluoranthene	0.574		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
191-24-2	Benzo(g,h,i)perylene	0.364		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
207-08-9	Benzo(k)fluoranthene	0.472		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
85-68-7	Benzyl butyl phthalate	1.08		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
117-81-7	Bis(2-ethylhexyl)phthalate	8.02	B	mg/kg dry	0.228	0.454	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 16:29	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
218-01-9	Chrysene	0.516		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
53-70-3	Dibenzo(a,h)anthracene	0.118		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
122-39-4	Diphenylamine	ND		mg/kg dry	0.0908	0.181	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
206-44-0	Fluoranthene	0.934		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR



Sample Information

Client Sample ID: SP11_1-2

York Sample ID: 18I0021-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Soil

August 31, 2018 11:20 am

08/31/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	0.0588	J	mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.349		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
91-20-3	Naphthalene	0.0937		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
85-01-8	Phenanthrene	0.250		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
108-95-2	Phenol	ND		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
129-00-0	Pyrene	0.939		mg/kg dry	0.0455	0.0908	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
110-86-1	Pyridine	ND		mg/kg dry	0.182	0.364	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:54	SR
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: 2-Fluorophenol	38.5 %	20-108								
4165-62-2	Surrogate: Phenol-d5	43.5 %	23-114								
4165-60-0	Surrogate: Nitrobenzene-d5	45.2 %	22-108								
321-60-8	Surrogate: 2-Fluorobiphenyl	47.7 %	21-113								
118-79-6	Surrogate: 2,4,6-Tribromophenol	66.6 %	19-110								
1718-51-0	Surrogate: Terphenyl-d14	77.3 %	24-116								



Sample Information

Client Sample ID: SP11_1-2

York Sample ID: 18I0021-01

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 31, 2018 11:20 am	<u>Date Received</u> 08/31/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
50-29-3	4,4'-DDT	0.00825		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/06/2018 14:14	09/10/2018 12:30	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0358	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
33213-65-9	Endosulfan II	0.00639		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/06/2018 14:14	09/10/2018 12:30	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
72-20-8	Endrin	0.0117		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/06/2018 14:14	09/10/2018 12:30	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00179	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00895	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB



Sample Information

Client Sample ID: SP11_1-2

York Sample ID: 18I0021-01

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 31, 2018 11:20 am	<u>Date Received</u> 08/31/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.0906	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/10/2018 12:30	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	47.8 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	30.4 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 16:43	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 16:43	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 16:43	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 16:43	LAB
12672-29-6	Aroclor 1248	0.0300		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 16:43	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 16:43	LAB
11096-82-5	Aroclor 1260	0.0508		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 16:43	LAB
1336-36-3	* Total PCBs	0.0808		mg/kg dry	0.0181	1	EPA 8082A Certifications:	09/06/2018 14:14	09/07/2018 16:43	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	51.0 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	37.3 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	8990		mg/kg dry	5.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-36-0	Antimony	2.24		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-38-2	Arsenic	6.11		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML



Sample Information

Client Sample ID: SP11_1-2

York Sample ID: 18I0021-01

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 31, 2018 11:20 am	<u>Date Received</u> 08/31/2018
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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
7440-39-3	Barium	141		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.109	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-43-9	Cadmium	1.72		mg/kg dry	0.327	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-70-2	Calcium	79700		mg/kg dry	5.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-47-3	Chromium	25.8		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-48-4	Cobalt	15.9		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-50-8	Copper	68.6		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7439-89-6	Iron	23800	B	mg/kg dry	2.18	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7439-92-1	Lead	191	B	mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7439-95-4	Magnesium	12300		mg/kg dry	5.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7439-96-5	Manganese	363		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-02-0	Nickel	31.0		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-09-7	Potassium	2370	B	mg/kg dry	5.45	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7782-49-2	Selenium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-22-4	Silver	ND		mg/kg dry	0.545	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-23-5	Sodium	840	B	mg/kg dry	10.9	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-28-0	Thallium	ND		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-62-2	Vanadium	34.6		mg/kg dry	1.09	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	KML
7440-66-6	Zinc	559		mg/kg dry	1.64	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:08	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
120 RESEARCH DRIVE		STRATFORD, CT 06615					132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com		(203) 325-1371					FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP11_1-2

York Sample ID: 18I0021-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Soil

August 31, 2018 11:20 am

08/31/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.164		mg/kg dry	0.0327	1	EPA 7473	09/05/2018 09:29	09/05/2018 19:03	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.7		%	0.100	1	SM 2540G	09/10/2018 09:14	09/10/2018 12:54	TAJ
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.545	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	25.8		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 16:01	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.545	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: SP11_5-6

York Sample ID: 18I0021-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Soil

August 31, 2018 11:30 am

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

Table with columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Contains 20 rows of chemical analysis data.



Sample Information

Client Sample ID: SP11_5-6

York Sample ID: 1810021-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1810021

170502901

Soil

August 31, 2018 11:30 am

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
67-64-1	Acetone	0.037	SCAL-E	mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
71-43-2	Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
75-25-2	Bromoform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
74-83-9	Bromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
75-00-3	Chloroethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
67-66-3	Chloroform	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
74-87-3	Chloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
110-82-7	Cyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
74-95-3	Dibromomethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS



Sample Information

Client Sample ID: SP11_5-6

York Sample ID: 1810021-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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1810021

170502901

Soil

August 31, 2018 11:30 am

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
79-20-9	Methyl acetate	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
1634-04-4	Methyl tert-butyl ether (MTBE)	0.012		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
95-47-6	o-Xylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
100-42-5	Styrene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
75-65-0	tert-Butyl alcohol (TBA)	0.034		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
108-88-3	Toluene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS



Sample Information

Client Sample ID: SP11_5-6

York Sample ID: 18I0021-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18I0021

170502901

Soil

August 31, 2018 11:30 am

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0025	0.0051	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 21:20	RDS
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0076	0.015	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2018 12:30	09/09/2018 21:20	RDS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			77-125						
2037-26-5	Surrogate: Toluene-d8	99.6 %			85-120						
460-00-4	Surrogate: p-Bromofluorobenzene	101 %			76-130						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.100	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.100	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.100	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR



Sample Information

Client Sample ID: SP11_5-6

York Sample ID: 18I0021-02

York Project (SDG) No.

Client Project ID

Matrix

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18I0021

170502901

Soil

August 31, 2018 11:30 am

08/31/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.100	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.100	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.100	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.100	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.100	0.201	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
83-32-9	Acenaphthene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
98-86-2	Acetophenone	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
62-53-3	Aniline	ND		mg/kg dry	0.201	0.402	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
120-12-7	Anthracene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
1912-24-9	Atrazine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
92-87-5	Benzidine	ND		mg/kg dry	0.201	0.402	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
56-55-3	Benzo(a)anthracene	0.0883	J	mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR



Sample Information

Client Sample ID: SP11_5-6

York Sample ID: 18I0021-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Soil

August 31, 2018 11:30 am

08/31/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	0.101		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
205-99-2	Benzo(b)fluoranthene	0.0883	J	mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
191-24-2	Benzo(g,h,i)perylene	0.0674	J	mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
207-08-9	Benzo(k)fluoranthene	0.0835	J	mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
65-85-0	Benzoic acid	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
105-60-2	Caprolactam	ND		mg/kg dry	0.100	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
86-74-8	Carbazole	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
218-01-9	Chrysene	0.0923	J	mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
122-39-4	Diphenylamine	ND		mg/kg dry	0.100	0.201	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
206-44-0	Fluoranthene	0.203		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR



Sample Information

Client Sample ID: SP11_5-6

York Sample ID: 18I0021-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Soil

August 31, 2018 11:30 am

08/31/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
86-73-7	Fluorene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.0594	J	mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
78-59-1	Isophorone	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
91-20-3	Naphthalene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
85-01-8	Phenanthrene	0.127		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
108-95-2	Phenol	ND		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
129-00-0	Pyrene	0.159		mg/kg dry	0.0503	0.100	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR
110-86-1	Pyridine	ND		mg/kg dry	0.201	0.402	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:52	09/10/2018 10:23	SR

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	74.0 %	20-108
4165-62-2	Surrogate: Phenol-d5	73.1 %	23-114
4165-60-0	Surrogate: Nitrobenzene-d5	73.7 %	22-108
321-60-8	Surrogate: 2-Fluorobiphenyl	68.6 %	21-113
118-79-6	Surrogate: 2,4,6-Tribromophenol	82.0 %	19-110
1718-51-0	Surrogate: Terphenyl-d14	81.0 %	24-116



Sample Information

Client Sample ID: SP11_5-6

York Sample ID: 18I0021-02

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil	<u>Collection Date/Time</u> August 31, 2018 11:30 am	<u>Date Received</u> 08/31/2018
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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
309-00-2	Aldrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
319-84-6	alpha-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/06/2018 14:14	09/07/2018 20:49	LAB
319-85-7	beta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
57-74-9	Chlordane, total	ND		mg/kg dry	0.0399	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
319-86-8	delta-BHC	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
60-57-1	Dieldrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
959-98-8	Endosulfan I	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	09/06/2018 14:14	09/07/2018 20:49	LAB
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
72-20-8	Endrin	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	09/06/2018 14:14	09/07/2018 20:49	LAB
76-44-8	Heptachlor	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00199	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
72-43-5	Methoxychlor	ND		mg/kg dry	0.00997	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB



Sample Information

Client Sample ID: SP11_5-6

York Sample ID: 18I0021-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Soil

August 31, 2018 11:30 am

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Pesticides, 8081 target list

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
8001-35-2	Toxaphene	ND		mg/kg dry	0.101	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 20:49	LAB
Surrogate Recoveries		Result		Acceptance Range						
2051-24-3	Surrogate: Decachlorobiphenyl	52.7 %		30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	49.6 %		30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 16:57	LAB
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 16:57	LAB
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 16:57	LAB
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 16:57	LAB
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 16:57	LAB
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 16:57	LAB
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/06/2018 14:14	09/07/2018 16:57	LAB
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0201	1	EPA 8082A Certifications:	09/06/2018 14:14	09/07/2018 16:57	LAB
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	47.0 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	35.8 %		30-140						

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	17100		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-36-0	Antimony	2.29		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-38-2	Arsenic	4.91		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML



Sample Information

Client Sample ID: SP11_5-6

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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
7440-39-3	Barium	133		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-41-7	Beryllium	ND		mg/kg dry	0.121	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-43-9	Cadmium	ND		mg/kg dry	0.363	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-70-2	Calcium	1530		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-47-3	Chromium	34.2		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-48-4	Cobalt	12.5		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-50-8	Copper	30.8		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7439-89-6	Iron	22500	B	mg/kg dry	2.42	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7439-92-1	Lead	108	B	mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7439-95-4	Magnesium	5630		mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7439-96-5	Manganese	259		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-02-0	Nickel	22.5		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-09-7	Potassium	1770	B	mg/kg dry	6.05	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7782-49-2	Selenium	ND		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-22-4	Silver	ND		mg/kg dry	0.605	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-23-5	Sodium	1850	B	mg/kg dry	12.1	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-28-0	Thallium	ND		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-62-2	Vanadium	42.3		mg/kg dry	1.21	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	KML
7440-66-6	Zinc	95.3		mg/kg dry	1.82	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 14:56	09/10/2018 17:10	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
120 RESEARCH DRIVE	STRATFORD, CT 06615						132-02 89th AVENUE			RICHMOND HILL, NY 11418
www.YORKLAB.com	(203) 325-1371						FAX (203) 357-0166			ClientServices@yorklab.com



Sample Information

Client Sample ID: SP11_5-6

York Sample ID: 18I0021-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Soil

August 31, 2018 11:30 am

08/31/2018

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.441		mg/kg dry	0.0363	1	EPA 7473	09/05/2018 09:29	09/05/2018 19:12	SY
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	82.6		%	0.100	1	SM 2540G	09/10/2018 09:14	09/10/2018 12:54	TAJ
							Certifications:	CTDOH		

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.605	1	EPA 7196A	09/06/2018 09:12	09/06/2018 18:15	TJD
							Certifications:	NJDEP,CTDOH,NELAC-NY10854,PADEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	34.2		mg/kg	0.500	1	Calculation	09/10/2018 11:44	09/10/2018 16:01	AD
							Certifications:			

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.605	1	EPA 9014/9010C	09/05/2018 11:48	09/05/2018 17:09	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: TMW12_083118

York Sample ID: 18I0021-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 10:20 am

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS





Sample Information

Client Sample ID: TMW12_083118

York Sample ID: 1810021-03

<u>York Project (SDG) No.</u> 1810021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 31, 2018 10:20 am	<u>Date Received</u> 08/31/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS



Sample Information

Client Sample ID: TMW12_083118

York Sample ID: 1810021-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1810021

170502901

Water

August 31, 2018 10:20 am

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	0.220		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS



Sample Information

Client Sample ID: TMW12_083118

York Sample ID: 1810021-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1810021

170502901

Water

August 31, 2018 10:20 am

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:21	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2018 12:30	09/10/2018 00:21	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %			69-130						
2037-26-5	Surrogate: Toluene-d8	97.2 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	98.2 %			79-122						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH



Sample Information

Client Sample ID: TMW12_083118

York Sample ID: 18I0021-03

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 31, 2018 10:20 am	<u>Date Received</u> 08/31/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
98-86-2	Acetophenone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
62-53-3	Aniline	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
100-52-7	Benzaldehyde	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
92-87-5	Benzidine	ND		ug/L	5.41	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
65-85-0	Benzoic acid	ND		ug/L	27.0	54.1	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.08	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH



Sample Information

Client Sample ID: TMW12_083118

York Sample ID: 18I0021-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 10:20 am

08/31/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
105-60-2	Caprolactam	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
86-74-8	Carbazole	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
132-64-9	Dibenzofuran	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
122-39-4	Diphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.41	10.8	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
78-59-1	Isophorone	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
108-95-2	Phenol	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH
110-86-1	Pyridine	ND		ug/L	2.70	5.41	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 15:52	KH

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	21.8 %			19.7-63.1
4165-62-2	Surrogate: Phenol-d5	12.7 %			10.1-41.7
4165-60-0	Surrogate: Nitrobenzene-d5	48.9 %	S-08		50.2-113
321-60-8	Surrogate: 2-Fluorobiphenyl	55.4 %			39.9-105
118-79-6	Surrogate: 2,4,6-Tribromophenol	62.6 %			39.3-151
1718-51-0	Surrogate: Terphenyl-d14	69.9 %			30.7-106

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

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: TMW12_083118

York Sample ID: 18I0021-03

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 31, 2018 10:20 am	<u>Date Received</u> 08/31/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
208-96-8	Acenaphthylene	0.184		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
120-12-7	Anthracene	0.205		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
1912-24-9	Atrazine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/10/2018 10:13	SR
56-55-3	Benzo(a)anthracene	0.303		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
50-32-8	Benzo(a)pyrene	0.454		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
205-99-2	Benzo(b)fluoranthene	0.400		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
191-24-2	Benzo(g,h,i)perylene	0.476		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
207-08-9	Benzo(k)fluoranthene	0.357		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
117-81-7	Bis(2-ethylhexyl)phthalate	0.919		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/10/2018 10:13	SR
218-01-9	Chrysene	0.292		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
53-70-3	Dibenzo(a,h)anthracene	0.130		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
206-44-0	Fluoranthene	0.389		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
86-73-7	Fluorene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0216	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/10/2018 10:13	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/10/2018 10:13	SR
67-72-1	Hexachloroethane	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/10/2018 10:13	SR
193-39-5	Indeno(1,2,3-cd)pyrene	0.389		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
91-20-3	Naphthalene	ND		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
98-95-3	Nitrobenzene	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/10/2018 10:13	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/10/2018 10:13	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.270	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/10/2018 10:13	SR



Sample Information

Client Sample ID: TMW12_083118

York Sample ID: 18I0021-03

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 31, 2018 10:20 am	<u>Date Received</u> 08/31/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.141		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR
129-00-0	Pyrene	0.378		ug/L	0.0541	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/10/2018 10:13	SR

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 19:37	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 19:37	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 19:37	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 19:37	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 19:37	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 19:37	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 19:37	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	09/04/2018 07:56	09/04/2018 19:37	LAB
Surrogate Recoveries		Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	83.2 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	88.6 %					30-120			

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	8.97		mg/L	0.0500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML
7440-39-3	Barium	0.361		mg/L	0.0100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML
7440-70-2	Calcium	214		mg/L	0.0500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML
7440-47-3	Chromium	0.0396		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML



Sample Information

Client Sample ID: TMW12_083118

York Sample ID: 18I0021-03

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 31, 2018 10:20 am	<u>Date Received</u> 08/31/2018
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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
7440-48-4	Cobalt	0.0135		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML
7440-50-8	Copper	0.173		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML
7439-89-6	Iron	14.0		mg/L	0.0200	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML
7439-92-1	Lead	0.999		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML
7439-95-4	Magnesium	25.1		mg/L	0.0500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML
7439-96-5	Manganese	2.46		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML
7440-02-0	Nickel	0.0364		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML
7440-09-7	Potassium	19.3	B	mg/L	0.0500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML
7440-22-4	Silver	ND		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML
7440-23-5	Sodium	312		mg/L	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML
7440-62-2	Vanadium	0.146		mg/L	0.0100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	KML
7440-66-6	Zinc	0.602		mg/L	0.0150	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:30	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	ND		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML
7440-39-3	Barium	0.169		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML
7440-70-2	Calcium	147		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML
7439-89-6	Iron	2.02	B	mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML



Sample Information

Client Sample ID: TMW12_083118

York Sample ID: 18I0021-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 10:20 am

08/31/2018

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
7439-92-1	Lead	0.00709		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML
7439-95-4	Magnesium	14.2		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML
7439-96-5	Manganese	1.86		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML
7440-02-0	Nickel	0.00883		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML
7440-09-7	Potassium	18.9		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML
7440-23-5	Sodium	318		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	KML
7440-66-6	Zinc	0.0199		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:23	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	0.00145		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 15:58	KML
7440-38-2	Arsenic	0.0102		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 15:58	KML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 15:58	KML
7440-43-9	Cadmium	0.00203		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 15:58	KML
7782-49-2	Selenium	0.0149	B	mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 15:58	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 15:58	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:13	KML



Sample Information

Client Sample ID: TMW12_083118

York Sample ID: 18I0021-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 10:20 am

08/31/2018

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
7440-38-2	Arsenic	0.00515		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:13	KML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:13	KML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:13	KML
7782-49-2	Selenium	0.00617	B	mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:13	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:13	KML

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	09/06/2018 09:11	09/06/2018 11:54	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	09/04/2018 09:17	09/04/2018 13:58	SY

Chromium, Hexavalent

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
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 10:53	09/04/2018 10:53	TJD

Chromium, Hexavalent-Dissolved

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
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP	09/04/2018 10:53	09/04/2018 10:53	TJD

Chromium, Trivalent

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
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Sample Information

Client Sample ID: TMW12_083118

York Sample ID: 18I0021-03

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 31, 2018 10:20 am	<u>Date Received</u> 08/31/2018
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Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	0.0396		mg/L	0.0100	1	Calculation	09/10/2018 11:48	09/10/2018 17:11	AD
Certifications:										

Chromium, Trivalent-Dissolved

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
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	09/10/2018 11:48	09/10/2018 17:11	AD
Certifications:										

Cyanide, 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
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	09/06/2018 10:59	09/06/2018 16:04	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: TMW11_083118

York Sample ID: 18I0021-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 12:50 pm

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS



Sample Information

Client Sample ID: TMW11_083118

York Sample ID: 18I0021-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 12:50 pm

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
67-64-1	Acetone	2.06		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
75-15-0	Carbon disulfide	0.310		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS



Sample Information

Client Sample ID: TMW11_083118

York Sample ID: 18I0021-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 12:50 pm

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	0.260		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	2.33		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
75-65-0	tert-Butyl alcohol (TBA)	5.43	CCV-E, SCAL-E	ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS



Sample Information

Client Sample ID: TMW11_083118

York Sample ID: 18I0021-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 12:50 pm

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 00:53	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2018 12:30	09/10/2018 00:53	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	105 %			69-130						
2037-26-5	Surrogate: Toluene-d8	98.1 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	95.6 %			79-122						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH



Sample Information

Client Sample ID: TMW11_083118

York Sample ID: 18I0021-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 12:50 pm

08/31/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
65-85-0	Benzoic acid	ND		ug/L	25.6	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH



Sample Information

Client Sample ID: TMW11_083118

York Sample ID: 18I0021-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 12:50 pm

08/31/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
122-39-4	Diphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 16:41	KH

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	28.4 %									
4165-62-2	Surrogate: Phenol-d5	14.8 %									
4165-60-0	Surrogate: Nitrobenzene-d5	54.2 %									
321-60-8	Surrogate: 2-Fluorobiphenyl	77.0 %									
118-79-6	Surrogate: 2,4,6-Tribromophenol	87.7 %									
1718-51-0	Surrogate: Terphenyl-d14	75.9 %									

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120 RESEARCH DRIVE	STRATFORD, CT 06615									
www.YORKLAB.com	(203) 325-1371									
						132-02 89th AVENUE				RICHMOND HILL, NY 11418
						FAX (203) 357-0166				ClientServices@yorklab.com



Sample Information

Client Sample ID: TMW11_083118

York Sample ID: 18I0021-04

<u>York Project (SDG) No.</u>	<u>Client Project ID</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Date Received</u>				
18I0021	170502901	Water	August 31, 2018 12:50 pm	08/31/2018				
83-32-9	Acenaphthene	0.349	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
208-96-8	Acenaphthylene	0.0615	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
120-12-7	Anthracene	0.205	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
1912-24-9	Atrazine	ND	ug/L	0.513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:22	SR
56-55-3	Benzo(a)anthracene	ND	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
50-32-8	Benzo(a)pyrene	ND	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
205-99-2	Benzo(b)fluoranthene	ND	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
191-24-2	Benzo(g,h,i)perylene	ND	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
207-08-9	Benzo(k)fluoranthene	ND	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
117-81-7	Bis(2-ethylhexyl)phthalate	1.37	ug/L	0.513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:22	SR
218-01-9	Chrysene	0.0513	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
53-70-3	Dibenzo(a,h)anthracene	ND	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
206-44-0	Fluoranthene	0.185	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
86-73-7	Fluorene	0.226	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
118-74-1	Hexachlorobenzene	ND	ug/L	0.0205 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:22	SR
87-68-3	Hexachlorobutadiene	ND	ug/L	0.513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:22	SR
67-72-1	Hexachloroethane	ND	ug/L	0.513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:22	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
91-20-3	Naphthalene	0.226	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
98-95-3	Nitrobenzene	ND	ug/L	0.256 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:22	SR
62-75-9	N-Nitrosodimethylamine	ND	ug/L	0.513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:22	SR
87-86-5	Pentachlorophenol	ND	ug/L	0.256 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:22	SR
85-01-8	Phenanthrene	0.349	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR
129-00-0	Pyrene	0.174	ug/L	0.0513 1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:22	SR



Sample Information

Client Sample ID: TMW11_083118

York Sample ID: 18I0021-04

York Project (SDG) No.

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Matrix

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18I0021

170502901

Water

August 31, 2018 12:50 pm

08/31/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 20:01	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 20:01	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 20:01	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 20:01	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 20:01	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 20:01	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 20:01	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	09/04/2018 07:56	09/04/2018 20:01	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	61.4 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	73.6 %	30-120							

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	0.576		mg/L	0.0500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML
7440-39-3	Barium	0.222		mg/L	0.0100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML
7440-70-2	Calcium	85.8		mg/L	0.0500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML
7440-47-3	Chromium	ND		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML
7440-48-4	Cobalt	ND		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML
7440-50-8	Copper	0.00854		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML
7439-89-6	Iron	3.82		mg/L	0.0200	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML
7439-92-1	Lead	0.175		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML



Sample Information

Client Sample ID: TMW11_083118

York Sample ID: 18I0021-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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18I0021

170502901

Water

August 31, 2018 12:50 pm

08/31/2018

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
7439-95-4	Magnesium	11.5		mg/L	0.0500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML
7439-96-5	Manganese	0.697		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML
7440-02-0	Nickel	ND		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML
7440-09-7	Potassium	11.4	B	mg/L	0.0500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML
7440-22-4	Silver	ND		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML
7440-23-5	Sodium	234		mg/L	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML
7440-62-2	Vanadium	ND		mg/L	0.0100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	KML
7440-66-6	Zinc	0.0421		mg/L	0.0150	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:33	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	0.0706		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML
7440-39-3	Barium	0.187		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML
7440-70-2	Calcium	86.8		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML
7440-50-8	Copper	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML
7439-89-6	Iron	3.41	B	mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML
7439-95-4	Magnesium	11.5		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML
7439-96-5	Manganese	0.675		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML



Sample Information

Client Sample ID: TMW11_083118

York Sample ID: 18I0021-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 12:50 pm

08/31/2018

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
7440-09-7	Potassium	12.7		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML
7440-23-5	Sodium	245		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	KML
7440-66-6	Zinc	0.0175		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:25	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	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 16:03	KML
7440-38-2	Arsenic	0.00402		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 16:03	KML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 16:03	KML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 16:03	KML
7782-49-2	Selenium	0.00695	B	mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 16:03	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 16:03	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		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:18	KML
7440-38-2	Arsenic	0.00329		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:18	KML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:18	KML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:18	KML
7782-49-2	Selenium	0.00515	B	mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:18	KML



Sample Information

Client Sample ID: TMW11_083118

York Sample ID: 18I0021-04

York Project (SDG) No.

Client Project ID

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18I0021

170502901

Water

August 31, 2018 12:50 pm

08/31/2018

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
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A	09/10/2018 11:10	09/11/2018 13:18	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.00020	1	EPA 7473	09/06/2018 09:11	09/06/2018 12:05	SY
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473, Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/L	0.0002000	1	EPA 7473	09/04/2018 09:17	09/04/2018 14:09	SY
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Chromium, Hexavalent

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
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.0100	1	EPA 7196A	09/04/2018 10:53	09/04/2018 10:53	TJD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Chromium, Hexavalent-Dissolved

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
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.0100	1	EPA 7196A	09/04/2018 10:53	09/04/2018 10:53	TJD
							Certifications:	NELAC-NY10854,CTDOH,NJDEP		

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	09/10/2018 11:48	09/10/2018 17:11	AD
							Certifications:			

Chromium, Trivalent-Dissolved

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
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	09/10/2018 11:48	09/10/2018 17:11	AD
							Certifications:			



Sample Information

Client Sample ID: TMW11_083118

York Sample ID: 18I0021-04

York Project (SDG) No.
18I0021

Client Project ID
170502901

Matrix
Water

Collection Date/Time
August 31, 2018 12:50 pm

Date Received
08/31/2018

Cyanide, 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
57-12-5	Cyanide, total	ND		mg/L	0.0100	1	SM 4500 CN C/E	09/06/2018 10:59	09/06/2018 16:04	TJM
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		



Sample Information

Client Sample ID: TMW14_083118

York Sample ID: 18I0021-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 1:50 pm

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS





Sample Information

Client Sample ID: TMW14_083118

York Sample ID: 18I0021-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 1:50 pm

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
67-64-1	Acetone	1.46		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS



Sample Information

Client Sample ID: TMW14_083118

York Sample ID: 1810021-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1810021

170502901

Water

August 31, 2018 1:50 pm

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS



Sample Information

Client Sample ID: TMW14_083118

York Sample ID: 18I0021-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 1:50 pm

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:25	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2018 12:30	09/10/2018 01:25	SS
Surrogate Recoveries		Result			Acceptance Range						
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %			69-130						
2037-26-5	Surrogate: Toluene-d8	96.7 %			81-117						
460-00-4	Surrogate: p-Bromofluorobenzene	98.6 %			79-122						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH



Sample Information

Client Sample ID: TMW14_083118

York Sample ID: 18I0021-05

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 31, 2018 1:50 pm	<u>Date Received</u> 08/31/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH



Sample Information

Client Sample ID: TMW14_083118

York Sample ID: 18I0021-05

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 31, 2018 1:50 pm	<u>Date Received</u> 08/31/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
122-39-4	Diphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH
110-86-1	Pyridine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 17:31	KH

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	22.2 %	19.7-63.1
4165-62-2	Surrogate: Phenol-d5	13.4 %	10.1-41.7
4165-60-0	Surrogate: Nitrobenzene-d5	51.0 %	50.2-113
321-60-8	Surrogate: 2-Fluorobiphenyl	63.3 %	39.9-105
118-79-6	Surrogate: 2,4,6-Tribromophenol	74.8 %	39.3-151
1718-51-0	Surrogate: Terphenyl-d14	78.4 %	30.7-106

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

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: TMW14_083118

York Sample ID: 18I0021-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 1:50 pm

08/31/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.0615		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
120-12-7	Anthracene	0.0513		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
1912-24-9	Atrazine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:54	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
117-81-7	Bis(2-ethylhexyl)phthalate	8.94		ug/L	1.03	2	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 15:03	SR
218-01-9	Chrysene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
206-44-0	Fluoranthene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
86-73-7	Fluorene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:54	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:54	SR
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:54	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
91-20-3	Naphthalene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:54	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:54	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 10:54	SR



Sample Information

Client Sample ID: TMW14_083118

York Sample ID: 18I0021-05

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 31, 2018 1:50 pm	<u>Date Received</u> 08/31/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-01-8	Phenanthrene	0.133		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR
129-00-0	Pyrene	0.0615		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 10:54	SR

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 20:25	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 20:25	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 20:25	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 20:25	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 20:25	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 20:25	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0513	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 07:56	09/04/2018 20:25	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0513	1	EPA 8082A Certifications:	09/04/2018 07:56	09/04/2018 20:25	LAB
Surrogate Recoveries		Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	80.2 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	75.1 %					30-120			

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	13.9		mg/L	0.0500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML
7440-39-3	Barium	0.227		mg/L	0.0100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML
7440-70-2	Calcium	183		mg/L	0.0500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML
7440-47-3	Chromium	0.0507		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML



Sample Information

Client Sample ID: TMW14_083118

York Sample ID: 18I0021-05

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 31, 2018 1:50 pm	<u>Date Received</u> 08/31/2018
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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
7440-48-4	Cobalt	0.0551		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML
7440-50-8	Copper	0.0207		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML
7439-89-6	Iron	21.4		mg/L	0.0200	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML
7439-92-1	Lead	0.460		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML
7439-95-4	Magnesium	70.2		mg/L	0.0500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML
7439-96-5	Manganese	10.2		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML
7440-02-0	Nickel	0.0949		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML
7440-09-7	Potassium	45.6	B	mg/L	0.0500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML
7440-22-4	Silver	ND		mg/L	0.00500	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML
7440-23-5	Sodium	1240		mg/L	0.100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML
7440-62-2	Vanadium	0.0864		mg/L	0.0100	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	KML
7440-66-6	Zinc	3.70		mg/L	0.0150	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:10	09/10/2018 11:35	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	0.185		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML
7440-39-3	Barium	0.0785		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML
7440-70-2	Calcium	86.4		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML
7440-47-3	Chromium	0.00590		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML
7440-50-8	Copper	0.0166		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML
7439-89-6	Iron	0.965	B	mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML



Sample Information

Client Sample ID: TMW14_083118

York Sample ID: 18I0021-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 1:50 pm

08/31/2018

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
7439-92-1	Lead	0.00885		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML
7439-95-4	Magnesium	49.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML
7439-96-5	Manganese	0.286		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML
7440-09-7	Potassium	44.0		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML
7440-23-5	Sodium	1240		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	KML
7440-66-6	Zinc	0.0167		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:07	09/10/2018 16:28	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	0.00315		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 16:07	KML
7440-38-2	Arsenic	0.0151		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 16:07	KML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 16:07	KML
7440-43-9	Cadmium	0.0120		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 16:07	KML
7782-49-2	Selenium	0.0577	B	mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 16:07	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/07/2018 15:06	09/10/2018 16:07	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	0.00263		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:31	KML



Sample Information

Client Sample ID: TMW14_083118

York Sample ID: 18I0021-05

<u>York Project (SDG) No.</u> 18I0021	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> August 31, 2018 1:50 pm	<u>Date Received</u> 08/31/2018
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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
7440-38-2	Arsenic	0.00599		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:31	KML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:31	KML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:31	KML
7782-49-2	Selenium	0.0334	B	mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:31	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 11:10	09/11/2018 13:31	KML

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	09/06/2018 09:11	09/06/2018 12:50	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	09/04/2018 09:17	09/04/2018 14:20	SY

Chromium, Hexavalent

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
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 10:53	09/04/2018 10:53	TJD

Chromium, Hexavalent-Dissolved

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
18540-29-9	Chromium, Hexavalent	ND	HT-01	mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP	09/04/2018 10:53	09/04/2018 10:53	TJD

Chromium, Trivalent

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
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Sample Information

Client Sample ID: TMW14_083118

York Sample ID: 18I0021-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 1:50 pm

08/31/2018

Chromium, Trivalent

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
16065-83-1	* Chromium, Trivalent	0.0507		mg/L	0.0100	1	Calculation	09/10/2018 11:48	09/10/2018 17:11	AD
Certifications:										

Chromium, Trivalent-Dissolved

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
16065-83-1	* Chromium, Trivalent	ND		mg/L	0.0100	1	Calculation	09/10/2018 11:48	09/10/2018 17:11	AD
Certifications:										

Cyanide, 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
57-12-5	Cyanide, total	3.33		mg/L	0.200	20	SM 4500 CN C/E	09/07/2018 13:31	09/07/2018 16:19	TJM
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										



Sample Information

Client Sample ID: TB04_083118

York Sample ID: 18I0021-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 2:10 pm

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS





Sample Information

Client Sample ID: TB04_083118

York Sample ID: 18I0021-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 2:10 pm

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS



Sample Information

Client Sample ID: TB04_083118

York Sample ID: 1810021-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1810021

170502901

Water

August 31, 2018 2:10 pm

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS



Sample Information

Client Sample ID: TB04_083118

York Sample ID: 18I0021-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0021

170502901

Water

August 31, 2018 2:10 pm

08/31/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:44	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2018 12:30	09/09/2018 22:44	SS
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	122 %	69-130								
2037-26-5	Surrogate: Toluene-d8	89.3 %	81-117								
460-00-4	Surrogate: p-Bromofluorobenzene	92.1 %	79-122								



Analytical Batch Summary

Batch ID: BI80013 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-03	TMW12_083118	09/04/18
18I0021-04	TMW11_083118	09/04/18
18I0021-05	TMW14_083118	09/04/18
BI80013-BLK2	Blank	09/04/18
BI80013-BS2	LCS	09/04/18
BI80013-BSD2	LCS Dup	09/04/18

Batch ID: BI80019 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-03	TMW12_083118	09/04/18
18I0021-04	TMW11_083118	09/04/18
18I0021-05	TMW14_083118	09/04/18
BI80019-BLK1	Blank	09/04/18
BI80019-DUP1	Duplicate	09/04/18
BI80019-MS1	Matrix Spike	09/04/18
BI80019-SRM1	Reference	09/04/18

Batch ID: BI80027 **Preparation Method:** Analysis Preparation **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-03	TMW12_083118	09/04/18
18I0021-04	TMW11_083118	09/04/18
18I0021-05	TMW14_083118	09/04/18
BI80027-BLK1	Blank	09/04/18
BI80027-BS1	LCS	09/04/18
BI80027-DUP1	Duplicate	09/04/18
BI80027-MS1	Matrix Spike	09/04/18

Batch ID: BI80088 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-01	SP11_1-2	09/05/18
18I0021-02	SP11_5-6	09/05/18
BI80088-BLK1	Blank	09/05/18
BI80088-SRM1	Reference	09/05/18

Batch ID: BI80100 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-01	SP11_1-2	09/05/18
18I0021-02	SP11_5-6	09/05/18
BI80100-BLK1	Blank	09/05/18



BI80100-SRM1 Reference 09/05/18

Batch ID: BI80150 Preparation Method: EPA 5035A Prepared By: TAB

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 18I0021-01, BI80150-BLK1, BI80150-BLK2, BI80150-BS1, BI80150-BSD1.

Batch ID: BI80160 Preparation Method: EPA 7473 water Prepared By: SY

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 18I0021-03, 18I0021-04, 18I0021-05, BI80160-BLK1, BI80160-SRM1.

Batch ID: BI80161 Preparation Method: EPA SW846-3060 Prepared By: TJD

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 18I0021-01, 18I0021-02, BI80161-BLK1, BI80161-SRM1.

Batch ID: BI80170 Preparation Method: EPA 3510C Prepared By: TMP

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 18I0021-03, 18I0021-04, 18I0021-05, 18I0021-05RE1, BI80170-BLK1, BI80170-BLK2, BI80170-BS1, BI80170-BS2, BI80170-BSD1.

Batch ID: BI80181 Preparation Method: Analysis Preparation Prepared By: TJM

Table with 3 columns: YORK Sample ID, Client Sample ID, Preparation Date. Rows include 18I0021-03, 18I0021-04, BI80181-BLK1, BI80181-BS1.



Batch ID: BI80202 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-01	SP11_1-2	09/06/18
18I0021-01	SP11_1-2	09/06/18
18I0021-02	SP11_5-6	09/06/18
18I0021-02	SP11_5-6	09/06/18
BI80202-BLK1	Blank	09/06/18
BI80202-BLK2	Blank	09/06/18
BI80202-BS1	LCS	09/06/18
BI80202-BS2	LCS	09/06/18

Batch ID: BI80273 **Preparation Method:** Analysis Preparation **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-05	TMW14_083118	09/07/18
BI80273-BLK1	Blank	09/07/18
BI80273-BS1	LCS	09/07/18
BI80273-DUP2	Duplicate	09/07/18

Batch ID: BI80279 **Preparation Method:** EPA 3550C **Prepared By:** MAT

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-01	SP11_1-2	09/07/18
18I0021-01RE1	SP11_1-2	09/07/18
18I0021-02	SP11_5-6	09/07/18
BI80279-BLK1	Blank	09/07/18
BI80279-BS1	LCS	09/07/18

Batch ID: BI80281 **Preparation Method:** EPA 3050B **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-01	SP11_1-2	09/07/18
18I0021-02	SP11_5-6	09/07/18
BI80281-BLK1	Blank	09/07/18
BI80281-SRM1	Reference	09/07/18

Batch ID: BI80283 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-03	TMW12_083118	09/07/18
18I0021-04	TMW11_083118	09/07/18
18I0021-05	TMW14_083118	09/07/18
BI80283-BLK1	Blank	09/07/18
BI80283-BS1	LCS	09/07/18



Batch ID: BI80284 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-03	TMW12_083118	09/07/18
18I0021-04	TMW11_083118	09/07/18
18I0021-05	TMW14_083118	09/07/18
BI80284-BLK1	Blank	09/07/18
BI80284-BS1	LCS	09/07/18

Batch ID: BI80317 **Preparation Method:** % Solids Prep **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-01	SP11_1-2	09/10/18
18I0021-02	SP11_5-6	09/10/18

Batch ID: BI80325 **Preparation Method:** EPA 5035A **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-02	SP11_5-6	09/09/18
BI80325-BLK1	Blank	09/09/18
BI80325-BLK2	Blank	09/09/18
BI80325-BS1	LCS	09/09/18
BI80325-BSD1	LCS Dup	09/09/18

Batch ID: BI80326 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-03	TMW12_083118	09/09/18
18I0021-04	TMW11_083118	09/09/18
18I0021-05	TMW14_083118	09/09/18
18I0021-06	TB04_083118	09/09/18
BI80326-BLK1	Blank	09/09/18
BI80326-BS1	LCS	09/09/18
BI80326-BSD1	LCS Dup	09/09/18

Batch ID: BI80362 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-03	TMW12_083118	09/10/18
18I0021-04	TMW11_083118	09/10/18
18I0021-05	TMW14_083118	09/10/18
BI80362-BLK1	Blank	09/10/18
BI80362-BS1	LCS	09/10/18
BI80362-DUP1	Duplicate	09/10/18
BI80362-MS1	Matrix Spike	09/10/18

Batch ID: BI80363 **Preparation Method:** EPA 3015A **Prepared By:** BML



YORK Sample ID	Client Sample ID	Preparation Date
18I0021-03	TMW12_083118	09/10/18
18I0021-04	TMW11_083118	09/10/18
18I0021-05	TMW14_083118	09/10/18
BI80363-BLK1	Blank	09/10/18
BI80363-BS1	LCS	09/10/18
BI80363-DUP1	Duplicate	09/10/18
BI80363-MS1	Matrix Spike	09/10/18

Batch ID: BI80370 **Preparation Method:** Analysis Preparation **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-01	SP11_1-2	09/10/18
18I0021-02	SP11_5-6	09/10/18

Batch ID: BI80371 **Preparation Method:** *** DEFAULT PREP *** **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
18I0021-03	TMW12_083118	09/10/18
18I0021-04	TMW11_083118	09/10/18
18I0021-05	TMW14_083118	09/10/18



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80150 - EPA 5035A

Blank (BI80150-BLK1)

Prepared & Analyzed: 09/06/2018

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



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

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

Batch BI80150 - EPA 5035A

Blank (BI80150-BLK1)

Prepared & Analyzed: 09/06/2018

n-Butylbenzene	ND	0.0050	mg/kg wet								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
<i>Surrogate: 1,2-Dichloroethane-d4</i>	51.6		ug/L	50.0		103	77-125				
<i>Surrogate: Toluene-d8</i>	50.5		"	50.0		101	85-120				
<i>Surrogate: p-Bromofluorobenzene</i>	52.6		"	50.0		105	76-130				

Blank (BI80150-BLK2)

Prepared & Analyzed: 09/06/2018

1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
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	10	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrolein	ND	1.0	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80150 - EPA 5035A

Blank (BI80150-BLK2)

Prepared & Analyzed: 09/06/2018

Bromoform	ND	0.50	mg/kg wet										
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	1.0	"										
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	0.50	"										
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: 1,2-Dichloroethane-d4	48.6		ug/L	50.0		97.1	77-125
Surrogate: Toluene-d8	49.0		"	50.0		98.1	85-120
Surrogate: p-Bromofluorobenzene	50.8		"	50.0		102	76-130



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 BI80150 - EPA 5035A

LCS (BI80150-BS1)

Prepared & Analyzed: 09/06/2018

1,1,1,2-Tetrachloroethane	49.9		ug/L	50.0		99.8	75-129				
1,1,1-Trichloroethane	46.7		"	50.0		93.5	71-137				
1,1,2,2-Tetrachloroethane	51.2		"	50.0		102	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	49.6		"	50.0		99.3	58-146				
1,1,2-Trichloroethane	48.1		"	50.0		96.2	83-123				
1,1-Dichloroethane	47.6		"	50.0		95.2	75-130				
1,1-Dichloroethylene	46.0		"	50.0		92.0	64-137				
1,2,3-Trichlorobenzene	51.3		"	50.0		103	81-140				
1,2,3-Trichloropropane	50.8		"	50.0		102	81-126				
1,2,4-Trichlorobenzene	50.8		"	50.0		102	80-141				
1,2,4-Trimethylbenzene	48.0		"	50.0		95.9	84-125				
1,2-Dibromo-3-chloropropane	55.6		"	50.0		111	74-142				
1,2-Dibromoethane	49.2		"	50.0		98.3	86-123				
1,2-Dichlorobenzene	47.6		"	50.0		95.1	85-122				
1,2-Dichloroethane	46.9		"	50.0		93.8	71-133				
1,2-Dichloropropane	47.6		"	50.0		95.2	81-122				
1,3,5-Trimethylbenzene	51.6		"	50.0		103	82-126				
1,3-Dichlorobenzene	46.8		"	50.0		93.6	84-124				
1,4-Dichlorobenzene	47.0		"	50.0		94.0	84-124				
1,4-Dioxane	1070		"	1050		102	10-228				
2-Butanone	51.4		"	50.0		103	58-147				
2-Hexanone	51.8		"	50.0		104	70-139				
4-Methyl-2-pentanone	46.7		"	50.0		93.5	72-132				
Acetone	53.4		"	50.0		107	36-155				
Acrolein	53.1		"	50.0		106	10-238				
Acrylonitrile	50.1		"	50.0		100	66-141				
Benzene	45.6		"	50.0		91.2	77-127				
Bromochloromethane	46.9		"	50.0		93.8	74-129				
Bromodichloromethane	46.8		"	50.0		93.6	81-124				
Bromoform	52.6		"	50.0		105	80-136				
Bromomethane	38.4		"	50.0		76.8	32-177				
Carbon disulfide	51.5		"	50.0		103	10-136				
Carbon tetrachloride	50.8		"	50.0		102	66-143				
Chlorobenzene	46.8		"	50.0		93.7	86-120				
Chloroethane	45.6		"	50.0		91.3	51-142				
Chloroform	46.0		"	50.0		92.0	76-131				
Chloromethane	50.2		"	50.0		100	49-132				
cis-1,2-Dichloroethylene	47.0		"	50.0		93.9	74-132				
cis-1,3-Dichloropropylene	47.4		"	50.0		94.7	81-129				
Cyclohexane	49.2		"	50.0		98.3	70-130				
Dibromochloromethane	50.8		"	50.0		102	10-200				
Dibromomethane	48.0		"	50.0		96.1	83-124				
Dichlorodifluoromethane	74.6		"	50.0		149	28-158				
Ethyl Benzene	47.3		"	50.0		94.6	84-125				
Hexachlorobutadiene	52.4		"	50.0		105	83-133				
Isopropylbenzene	47.3		"	50.0		94.5	81-127				
Methyl acetate	45.7		"	50.0		91.5	41-143				
Methyl tert-butyl ether (MTBE)	48.5		"	50.0		96.9	74-131				
Methylcyclohexane	47.8		"	50.0		95.5	70-130				
Methylene chloride	44.3		"	50.0		88.5	57-141				
n-Butylbenzene	48.1		"	50.0		96.2	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 BI80150 - EPA 5035A											
LCS (BI80150-BS1)											
Prepared & Analyzed: 09/06/2018											
n-Propylbenzene	47.1		ug/L	50.0		94.1	74-136				
o-Xylene	47.7		"	50.0		95.4	83-123				
p- & m- Xylenes	94.5		"	100		94.5	82-128				
p-Isopropyltoluene	48.6		"	50.0		97.1	85-125				
sec-Butylbenzene	49.8		"	50.0		99.6	83-125				
Styrene	46.5		"	50.0		92.9	86-126				
tert-Butyl alcohol (TBA)	259		"	250		104	70-130				
tert-Butylbenzene	39.9		"	50.0		79.7	80-127	Low Bias			
Tetrachloroethylene	42.8		"	50.0		85.6	80-129				
Toluene	46.7		"	50.0		93.4	85-121				
trans-1,2-Dichloroethylene	47.1		"	50.0		94.3	72-132				
trans-1,3-Dichloropropylene	48.4		"	50.0		96.8	78-132				
Trichloroethylene	47.1		"	50.0		94.2	84-123				
Trichlorofluoromethane	43.2		"	50.0		86.3	62-140				
Vinyl Chloride	50.0		"	50.0		100	52-130				
Surrogate: 1,2-Dichloroethane-d4	50.4		"	50.0		101	77-125				
Surrogate: Toluene-d8	50.2		"	50.0		100	85-120				
Surrogate: p-Bromofluorobenzene	52.1		"	50.0		104	76-130				
LCS Dup (BI80150-BSD1)											
Prepared & Analyzed: 09/06/2018											
1,1,1,2-Tetrachloroethane	48.9		ug/L	50.0		97.8	75-129		2.07		30
1,1,1-Trichloroethane	46.5		"	50.0		92.9	71-137		0.579		30
1,1,2,2-Tetrachloroethane	50.1		"	50.0		100	79-129		2.07		30
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	48.9		"	50.0		97.8	58-146		1.44		30
1,1,2-Trichloroethane	47.2		"	50.0		94.4	83-123		1.89		30
1,1-Dichloroethane	46.3		"	50.0		92.7	75-130		2.66		30
1,1-Dichloroethylene	44.8		"	50.0		89.7	64-137		2.55		30
1,2,3-Trichlorobenzene	50.5		"	50.0		101	81-140		1.67		30
1,2,3-Trichloropropane	50.2		"	50.0		100	81-126		1.21		30
1,2,4-Trichlorobenzene	50.1		"	50.0		100	80-141		1.29		30
1,2,4-Trimethylbenzene	48.2		"	50.0		96.5	84-125		0.603		30
1,2-Dibromo-3-chloropropane	52.6		"	50.0		105	74-142		5.51		30
1,2-Dibromoethane	48.1		"	50.0		96.2	86-123		2.22		30
1,2-Dichlorobenzene	47.5		"	50.0		95.1	85-122		0.0841		30
1,2-Dichloroethane	46.8		"	50.0		93.6	71-133		0.256		30
1,2-Dichloropropane	45.7		"	50.0		91.4	81-122		4.07		30
1,3,5-Trimethylbenzene	51.4		"	50.0		103	82-126		0.524		30
1,3-Dichlorobenzene	47.4		"	50.0		94.8	84-124		1.19		30
1,4-Dichlorobenzene	47.0		"	50.0		94.1	84-124		0.128		30
1,4-Dioxane	1060		"	1050		101	10-228		0.328		30
2-Butanone	48.0		"	50.0		96.1	58-147		6.70		30
2-Hexanone	48.0		"	50.0		95.9	70-139		7.80		30
4-Methyl-2-pentanone	44.8		"	50.0		89.6	72-132		4.17		30
Acetone	48.7		"	50.0		97.4	36-155		9.25		30
Acrolein	50.2		"	50.0		100	10-238		5.69		30
Acrylonitrile	47.6		"	50.0		95.2	66-141		5.24		30
Benzene	45.7		"	50.0		91.4	77-127		0.153		30
Bromochloromethane	44.6		"	50.0		89.2	74-129		5.05		30
Bromodichloromethane	46.1		"	50.0		92.1	81-124		1.59		30
Bromoform	50.8		"	50.0		102	80-136		3.35		30
Bromomethane	36.9		"	50.0		73.9	32-177		3.82		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 BI80150 - EPA 5035A											
LCS Dup (BI80150-BSD1)											
										Prepared & Analyzed: 09/06/2018	
Carbon disulfide	51.0		ug/L	50.0		102	10-136		1.11	30	
Carbon tetrachloride	48.8		"	50.0		97.5	66-143		4.16	30	
Chlorobenzene	46.8		"	50.0		93.6	86-120		0.0214	30	
Chloroethane	43.1		"	50.0		86.2	51-142		5.68	30	
Chloroform	45.6		"	50.0		91.3	76-131		0.829	30	
Chloromethane	48.6		"	50.0		97.2	49-132		3.26	30	
cis-1,2-Dichloroethylene	46.4		"	50.0		92.8	74-132		1.22	30	
cis-1,3-Dichloropropylene	48.0		"	50.0		96.0	81-129		1.30	30	
Cyclohexane	50.0		"	50.0		100	70-130		1.75	30	
Dibromochloromethane	49.6		"	50.0		99.1	10-200		2.41	30	
Dibromomethane	47.0		"	50.0		94.1	83-124		2.06	30	
Dichlorodifluoromethane	74.6		"	50.0		149	28-158		0.0536	30	
Ethyl Benzene	46.4		"	50.0		92.8	84-125		1.96	30	
Hexachlorobutadiene	51.5		"	50.0		103	83-133		1.81	30	
Isopropylbenzene	47.7		"	50.0		95.4	81-127		0.927	30	
Methyl acetate	42.7		"	50.0		85.5	41-143		6.80	30	
Methyl tert-butyl ether (MTBE)	46.5		"	50.0		93.1	74-131		4.06	30	
Methylcyclohexane	47.1		"	50.0		94.3	70-130		1.29	30	
Methylene chloride	43.5		"	50.0		87.0	57-141		1.75	30	
n-Butylbenzene	44.1		"	50.0		88.1	80-130		8.75	30	
n-Propylbenzene	47.1		"	50.0		94.3	74-136		0.149	30	
o-Xylene	47.8		"	50.0		95.5	83-123		0.126	30	
p- & m- Xylenes	94.8		"	100		94.8	82-128		0.306	30	
p-Isopropyltoluene	48.1		"	50.0		96.1	85-125		1.03	30	
sec-Butylbenzene	50.6		"	50.0		101	83-125		1.51	30	
Styrene	45.9		"	50.0		91.8	86-126		1.17	30	
tert-Butyl alcohol (TBA)	237		"	250		94.6	70-130		9.22	30	
tert-Butylbenzene	39.1		"	50.0		78.3	80-127	Low Bias	1.82	30	
Tetrachloroethylene	42.1		"	50.0		84.3	80-129		1.53	30	
Toluene	46.7		"	50.0		93.3	85-121		0.129	30	
trans-1,2-Dichloroethylene	45.7		"	50.0		91.3	72-132		3.15	30	
trans-1,3-Dichloropropylene	47.1		"	50.0		94.2	78-132		2.64	30	
Trichloroethylene	46.4		"	50.0		92.9	84-123		1.37	30	
Trichlorofluoromethane	42.4		"	50.0		84.7	62-140		1.87	30	
Vinyl Chloride	49.2		"	50.0		98.5	52-130		1.49	30	
Surrogate: 1,2-Dichloroethane-d4	49.7		"	50.0		99.4	77-125				
Surrogate: Toluene-d8	49.9		"	50.0		99.8	85-120				
Surrogate: p-Bromofluorobenzene	51.6		"	50.0		103	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80325 - EPA 5035A

Blank (BI80325-BLK1)

Prepared & Analyzed: 09/09/2018

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



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 BI80325 - EPA 5035A

Blank (BI80325-BLK1)

Prepared & Analyzed: 09/09/2018

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

<i>Surrogate: 1,2-Dichloroethane-d4</i>	48.9		ug/L	50.0		97.9	77-125				
<i>Surrogate: Toluene-d8</i>	50.0		"	50.0		100	85-120				
<i>Surrogate: p-Bromofluorobenzene</i>	49.9		"	50.0		99.8	76-130				

Blank (BI80325-BLK2)

Prepared & Analyzed: 09/09/2018

1,1,1,2-Tetrachloroethane	ND	0.50	mg/kg wet								
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	10	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	1.0	"								
Acrolein	ND	1.0	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	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								RPD	

Batch BI80325 - EPA 5035A

Blank (BI80325-BLK2)

Prepared & Analyzed: 09/09/2018

Bromomethane	ND	0.50	mg/kg wet								
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	1.0	"								
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	0.50	"								
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: 1,2-Dichloroethane-d4</i>	<i>49.4</i>		<i>ug/L</i>	<i>50.0</i>		<i>98.8</i>		<i>77-125</i>			
<i>Surrogate: Toluene-d8</i>	<i>50.0</i>		<i>"</i>	<i>50.0</i>		<i>100</i>		<i>85-120</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>48.9</i>		<i>"</i>	<i>50.0</i>		<i>97.7</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
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Batch BI80325 - EPA 5035A

LCS (BI80325-BS1)

Prepared & Analyzed: 09/09/2018

1,1,1,2-Tetrachloroethane	48.5		ug/L	50.0		97.0	75-129				
1,1,1-Trichloroethane	47.1		"	50.0		94.2	71-137				
1,1,2,2-Tetrachloroethane	43.7		"	50.0		87.5	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0		"	50.0		100	58-146				
1,1,2-Trichloroethane	47.8		"	50.0		95.6	83-123				
1,1-Dichloroethane	46.9		"	50.0		93.8	75-130				
1,1-Dichloroethylene	45.9		"	50.0		91.8	64-137				
1,2,3-Trichlorobenzene	53.0		"	50.0		106	81-140				
1,2,3-Trichloropropane	45.4		"	50.0		90.8	81-126				
1,2,4-Trichlorobenzene	53.9		"	50.0		108	80-141				
1,2,4-Trimethylbenzene	45.8		"	50.0		91.5	84-125				
1,2-Dibromo-3-chloropropane	37.2		"	50.0		74.4	74-142				
1,2-Dibromoethane	49.7		"	50.0		99.5	86-123				
1,2-Dichlorobenzene	51.4		"	50.0		103	85-122				
1,2-Dichloroethane	49.3		"	50.0		98.5	71-133				
1,2-Dichloropropane	43.3		"	50.0		86.5	81-122				
1,3,5-Trimethylbenzene	43.8		"	50.0		87.5	82-126				
1,3-Dichlorobenzene	49.9		"	50.0		99.8	84-124				
1,4-Dichlorobenzene	50.6		"	50.0		101	84-124				
1,4-Dioxane	1040		"	1050		99.2	10-228				
2-Butanone	52.9		"	50.0		106	58-147				
2-Hexanone	48.8		"	50.0		97.5	70-139				
4-Methyl-2-pentanone	46.3		"	50.0		92.7	72-132				
Acetone	62.5		"	50.0		125	36-155				
Acrolein	53.1		"	50.0		106	10-238				
Acrylonitrile	48.5		"	50.0		97.0	66-141				
Benzene	47.0		"	50.0		94.1	77-127				
Bromochloromethane	46.8		"	50.0		93.6	74-129				
Bromodichloromethane	43.0		"	50.0		85.9	81-124				
Bromoform	50.0		"	50.0		99.9	80-136				
Bromomethane	61.8		"	50.0		124	32-177				
Carbon disulfide	50.2		"	50.0		100	10-136				
Carbon tetrachloride	47.0		"	50.0		94.1	66-143				
Chlorobenzene	48.9		"	50.0		97.9	86-120				
Chloroethane	53.8		"	50.0		108	51-142				
Chloroform	47.5		"	50.0		95.1	76-131				
Chloromethane	52.1		"	50.0		104	49-132				
cis-1,2-Dichloroethylene	47.0		"	50.0		94.0	74-132				
cis-1,3-Dichloropropylene	44.2		"	50.0		88.4	81-129				
Cyclohexane	44.9		"	50.0		89.7	70-130				
Dibromochloromethane	49.2		"	50.0		98.4	10-200				
Dibromomethane	46.4		"	50.0		92.8	83-124				
Dichlorodifluoromethane	59.5		"	50.0		119	28-158				
Ethyl Benzene	46.0		"	50.0		91.9	84-125				
Hexachlorobutadiene	51.3		"	50.0		103	83-133				
Isopropylbenzene	41.2		"	50.0		82.3	81-127				
Methyl acetate	44.5		"	50.0		88.9	41-143				
Methyl tert-butyl ether (MTBE)	49.8		"	50.0		99.6	74-131				
Methylcyclohexane	43.5		"	50.0		86.9	70-130				
Methylene chloride	51.9		"	50.0		104	57-141				
n-Butylbenzene	44.1		"	50.0		88.3	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
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Batch BI80325 - EPA 5035A

LCS (BI80325-BS1)

Prepared & Analyzed: 09/09/2018

n-Propylbenzene	41.8		ug/L	50.0		83.5	74-136				
o-Xylene	46.9		"	50.0		93.8	83-123				
p- & m- Xylenes	93.2		"	100		93.2	82-128				
p-Isopropyltoluene	46.6		"	50.0		93.2	85-125				
sec-Butylbenzene	45.7		"	50.0		91.5	83-125				
Styrene	47.1		"	50.0		94.2	86-126				
tert-Butyl alcohol (TBA)	265		"	250		106	70-130				
tert-Butylbenzene	38.0		"	50.0		76.1	80-127	Low Bias			
Tetrachloroethylene	49.1		"	50.0		98.1	80-129				
Toluene	46.3		"	50.0		92.6	85-121				
trans-1,2-Dichloroethylene	45.9		"	50.0		91.8	72-132				
trans-1,3-Dichloropropylene	43.3		"	50.0		86.5	78-132				
Trichloroethylene	46.2		"	50.0		92.5	84-123				
Trichlorofluoromethane	50.4		"	50.0		101	62-140				
Vinyl Chloride	53.8		"	50.0		108	52-130				
Surrogate: 1,2-Dichloroethane-d4	50.5		"	50.0		101	77-125				
Surrogate: Toluene-d8	48.2		"	50.0		96.4	85-120				
Surrogate: p-Bromofluorobenzene	42.2		"	50.0		84.4	76-130				

LCS Dup (BI80325-BSD1)

Prepared & Analyzed: 09/09/2018

1,1,1,2-Tetrachloroethane	47.9		ug/L	50.0		95.8	75-129		1.25	30	
1,1,1-Trichloroethane	48.7		"	50.0		97.4	71-137		3.32	30	
1,1,2,2-Tetrachloroethane	43.2		"	50.0		86.3	79-129		1.29	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.8		"	50.0		104	58-146		3.56	30	
1,1,2-Trichloroethane	46.8		"	50.0		93.6	83-123		2.16	30	
1,1-Dichloroethane	47.4		"	50.0		94.9	75-130		1.15	30	
1,1-Dichloroethylene	46.8		"	50.0		93.5	64-137		1.90	30	
1,2,3-Trichlorobenzene	50.5		"	50.0		101	81-140		4.91	30	
1,2,3-Trichloropropane	45.2		"	50.0		90.3	81-126		0.508	30	
1,2,4-Trichlorobenzene	52.0		"	50.0		104	80-141		3.62	30	
1,2,4-Trimethylbenzene	45.9		"	50.0		91.8	84-125		0.349	30	
1,2-Dibromo-3-chloropropane	38.4		"	50.0		76.7	74-142		3.04	30	
1,2-Dibromoethane	47.9		"	50.0		95.7	86-123		3.83	30	
1,2-Dichlorobenzene	51.0		"	50.0		102	85-122		0.722	30	
1,2-Dichloroethane	49.2		"	50.0		98.3	71-133		0.224	30	
1,2-Dichloropropane	44.4		"	50.0		88.8	81-122		2.65	30	
1,3,5-Trimethylbenzene	44.7		"	50.0		89.4	82-126		2.08	30	
1,3-Dichlorobenzene	50.2		"	50.0		100	84-124		0.600	30	
1,4-Dichlorobenzene	49.6		"	50.0		99.3	84-124		2.01	30	
1,4-Dioxane	1010		"	1050		96.0	10-228		3.35	30	
2-Butanone	53.5		"	50.0		107	58-147		1.15	30	
2-Hexanone	45.7		"	50.0		91.4	70-139		6.48	30	
4-Methyl-2-pentanone	43.8		"	50.0		87.7	72-132		5.52	30	
Acetone	61.1		"	50.0		122	36-155		2.28	30	
Acrolein	52.9		"	50.0		106	10-238		0.340	30	
Acrylonitrile	48.9		"	50.0		97.8	66-141		0.842	30	
Benzene	47.9		"	50.0		95.9	77-127		1.92	30	
Bromochloromethane	47.4		"	50.0		94.7	74-129		1.25	30	
Bromodichloromethane	42.9		"	50.0		85.8	81-124		0.0699	30	
Bromoform	48.0		"	50.0		96.1	80-136		3.94	30	
Bromomethane	61.3		"	50.0		123	32-177		0.682	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 BI80325 - EPA 5035A

LCS Dup (BI80325-BSD1)

Prepared & Analyzed: 09/09/2018

Carbon disulfide	51.5		ug/L	50.0		103	10-136		2.63	30	
Carbon tetrachloride	48.0		"	50.0		96.1	66-143		2.12	30	
Chlorobenzene	48.6		"	50.0		97.2	86-120		0.738	30	
Chloroethane	52.3		"	50.0		105	51-142		2.94	30	
Chloroform	48.3		"	50.0		96.6	76-131		1.61	30	
Chloromethane	50.8		"	50.0		102	49-132		2.43	30	
cis-1,2-Dichloroethylene	46.6		"	50.0		93.3	74-132		0.769	30	
cis-1,3-Dichloropropylene	43.2		"	50.0		86.3	81-129		2.36	30	
Cyclohexane	45.3		"	50.0		90.7	70-130		1.06	30	
Dibromochloromethane	48.6		"	50.0		97.1	10-200		1.31	30	
Dibromomethane	44.6		"	50.0		89.2	83-124		3.98	30	
Dichlorodifluoromethane	60.9		"	50.0		122	28-158		2.34	30	
Ethyl Benzene	46.3		"	50.0		92.5	84-125		0.672	30	
Hexachlorobutadiene	51.5		"	50.0		103	83-133		0.389	30	
Isopropylbenzene	42.0		"	50.0		84.1	81-127		2.14	30	
Methyl acetate	42.7		"	50.0		85.3	41-143		4.15	30	
Methyl tert-butyl ether (MTBE)	48.6		"	50.0		97.1	74-131		2.58	30	
Methylcyclohexane	44.3		"	50.0		88.7	70-130		1.98	30	
Methylene chloride	50.0		"	50.0		100	57-141		3.65	30	
n-Butylbenzene	45.6		"	50.0		91.1	80-130		3.17	30	
n-Propylbenzene	42.3		"	50.0		84.6	74-136		1.26	30	
o-Xylene	47.1		"	50.0		94.1	83-123		0.362	30	
p- & m- Xylenes	93.3		"	100		93.3	82-128		0.0536	30	
p-Isopropyltoluene	47.5		"	50.0		95.1	85-125		2.00	30	
sec-Butylbenzene	46.5		"	50.0		93.0	83-125		1.60	30	
Styrene	46.6		"	50.0		93.1	86-126		1.22	30	
tert-Butyl alcohol (TBA)	245		"	250		98.0	70-130		7.80	30	
tert-Butylbenzene	38.7		"	50.0		77.4	80-127	Low Bias	1.72	30	
Tetrachloroethylene	50.3		"	50.0		101	80-129		2.54	30	
Toluene	46.5		"	50.0		93.1	85-121		0.474	30	
trans-1,2-Dichloroethylene	46.3		"	50.0		92.6	72-132		0.803	30	
trans-1,3-Dichloropropylene	42.7		"	50.0		85.4	78-132		1.28	30	
Trichloroethylene	46.3		"	50.0		92.6	84-123		0.0865	30	
Trichlorofluoromethane	51.8		"	50.0		104	62-140		2.64	30	
Vinyl Chloride	54.1		"	50.0		108	52-130		0.538	30	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>50.6</i>		<i>"</i>	<i>50.0</i>		<i>101</i>	<i>77-125</i>				
<i>Surrogate: Toluene-d8</i>	<i>49.0</i>		<i>"</i>	<i>50.0</i>		<i>98.1</i>	<i>85-120</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>42.3</i>		<i>"</i>	<i>50.0</i>		<i>84.7</i>	<i>76-130</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	Flag
		Limit								RPD	

Batch BI80326 - EPA 5030B

Blank (BI80326-BLK1)

Prepared & Analyzed: 09/09/2018

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L
1,1,1-Trichloroethane	ND	0.500	"
1,1,2,2-Tetrachloroethane	ND	0.500	"
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"
1,1,2-Trichloroethane	ND	0.500	"
1,1-Dichloroethane	ND	0.500	"
1,1-Dichloroethylene	ND	0.500	"
1,2,3-Trichlorobenzene	ND	0.500	"
1,2,3-Trichloropropane	ND	0.500	"
1,2,4-Trichlorobenzene	ND	0.500	"
1,2,4-Trimethylbenzene	ND	0.500	"
1,2-Dibromo-3-chloropropane	ND	0.500	"
1,2-Dibromoethane	ND	0.500	"
1,2-Dichlorobenzene	ND	0.500	"
1,2-Dichloroethane	ND	0.500	"
1,2-Dichloropropane	ND	0.500	"
1,3,5-Trimethylbenzene	ND	0.500	"
1,3-Dichlorobenzene	ND	0.500	"
1,4-Dichlorobenzene	ND	0.500	"
1,4-Dioxane	ND	80.0	"
2-Butanone	ND	0.500	"
2-Hexanone	ND	0.500	"
4-Methyl-2-pentanone	ND	0.500	"
Acetone	ND	2.00	"
Acrolein	ND	2.00	"
Acrylonitrile	ND	2.00	"
Benzene	ND	0.500	"
Bromochloromethane	ND	0.500	"
Bromodichloromethane	ND	0.500	"
Bromoform	ND	0.500	"
Bromomethane	ND	0.500	"
Carbon disulfide	ND	0.500	"
Carbon tetrachloride	ND	0.500	"
Chlorobenzene	ND	0.500	"
Chloroethane	ND	0.500	"
Chloroform	ND	0.500	"
Chloromethane	ND	0.500	"
cis-1,2-Dichloroethylene	ND	0.500	"
cis-1,3-Dichloropropylene	ND	0.500	"
Cyclohexane	ND	0.500	"
Dibromochloromethane	ND	0.500	"
Dibromomethane	ND	0.500	"
Dichlorodifluoromethane	ND	0.500	"
Ethyl Benzene	ND	0.500	"
Hexachlorobutadiene	ND	0.500	"
Isopropylbenzene	ND	0.500	"
Methyl acetate	ND	0.500	"
Methyl tert-butyl ether (MTBE)	ND	0.500	"
Methylcyclohexane	ND	0.500	"
Methylene chloride	ND	2.00	"
n-Butylbenzene	ND	0.500	"



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 BI80326 - EPA 5030B

Blank (BI80326-BLK1)

Prepared & Analyzed: 09/09/2018

n-Propylbenzene	ND	0.500	ug/L								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	2.50	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								

Surrogate: 1,2-Dichloroethane-d4	10.2		"	10.0		102	70-130				
Surrogate: Toluene-d8	9.63		"	10.0		96.3	81-117				
Surrogate: p-Bromofluorobenzene	10.4		"	10.0		104	79-122				

LCS (BI80326-BS1)

Prepared & Analyzed: 09/09/2018

1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	10.8		"	10.0		108	78-130				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0		123	70-130				
1,1,2-Trichloroethane	9.94		"	10.0		99.4	82-123				
1,1-Dichloroethane	10.7		"	10.0		107	82-129				
1,1-Dichloroethylene	11.1		"	10.0		111	70-130				
1,2,3-Trichlorobenzene	10.6		"	10.0		106	76-130				
1,2,3-Trichloropropane	9.74		"	10.0		97.4	77-128				
1,2,4-Trichlorobenzene	9.67		"	10.0		96.7	76-130				
1,2,4-Trimethylbenzene	9.89		"	10.0		98.9	82-132				
1,2-Dibromo-3-chloropropane	9.97		"	10.0		99.7	45-147				
1,2-Dibromoethane	10.0		"	10.0		100	83-124				
1,2-Dichlorobenzene	9.55		"	10.0		95.5	79-123				
1,2-Dichloroethane	10.9		"	10.0		109	73-130				
1,2-Dichloropropane	9.47		"	10.0		94.7	78-126				
1,3,5-Trimethylbenzene	9.82		"	10.0		98.2	80-131				
1,3-Dichlorobenzene	9.65		"	10.0		96.5	86-122				
1,4-Dichlorobenzene	9.54		"	10.0		95.4	85-124				
1,4-Dioxane	190		"	210		90.5	40-160				
2-Butanone	11.1		"	10.0		111	49-152				
2-Hexanone	11.9		"	10.0		119	51-146				
4-Methyl-2-pentanone	11.0		"	10.0		110	57-145				
Acetone	12.5		"	10.0		125	40-150				
Acrolein	12.0		"	10.0		120	10-153				
Acrylonitrile	10.4		"	10.0		104	51-150				
Benzene	10.7		"	10.0		107	85-126				
Bromochloromethane	11.3		"	10.0		113	77-128				
Bromodichloromethane	9.55		"	10.0		95.5	79-128				
Bromoform	9.84		"	10.0		98.4	78-130				



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 BI80326 - EPA 5030B										
LCS (BI80326-BS1)										
Prepared & Analyzed: 09/09/2018										
Bromomethane	8.77		ug/L	10.0		87.7	43-160			
Carbon disulfide	12.8		"	10.0		128	68-146			
Carbon tetrachloride	10.9		"	10.0		109	77-130			
Chlorobenzene	9.94		"	10.0		99.4	88-120			
Chloroethane	14.9		"	10.0		149	65-136	High Bias		
Chloroform	10.6		"	10.0		106	82-128			
Chloromethane	13.1		"	10.0		131	43-155			
cis-1,2-Dichloroethylene	10.5		"	10.0		105	83-129			
cis-1,3-Dichloropropylene	9.92		"	10.0		99.2	80-130			
Cyclohexane	11.9		"	10.0		119	70-130			
Dibromochloromethane	10.2		"	10.0		102	80-130			
Dibromomethane	9.66		"	10.0		96.6	72-134			
Dichlorodifluoromethane	18.9		"	10.0		189	44-144	High Bias		
Ethyl Benzene	10.4		"	10.0		104	80-130			
Hexachlorobutadiene	9.19		"	10.0		91.9	67-146			
Isopropylbenzene	9.40		"	10.0		94.0	76-130			
Methyl acetate	11.8		"	10.0		118	70-130			
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	76-130			
Methylcyclohexane	10.6		"	10.0		106	72-130			
Methylene chloride	11.7		"	10.0		117	70-130			
n-Butylbenzene	10.3		"	10.0		103	79-132			
n-Propylbenzene	10.0		"	10.0		100	78-133			
o-Xylene	10.4		"	10.0		104	78-130			
p- & m- Xylenes	17.6		"	20.0		88.0	77-130			
p-Isopropyltoluene	10.0		"	10.0		100	81-136			
sec-Butylbenzene	10.6		"	10.0		106	79-137			
Styrene	10.3		"	10.0		103	70-130			
tert-Butyl alcohol (TBA)	51.7		"	50.0		103	25-162			
tert-Butylbenzene	9.82		"	10.0		98.2	77-138			
Tetrachloroethylene	7.88		"	10.0		78.8	82-130	Low Bias		
Toluene	10.0		"	10.0		100	80-127			
trans-1,2-Dichloroethylene	10.7		"	10.0		107	80-130			
trans-1,3-Dichloropropylene	9.91		"	10.0		99.1	78-130			
Trichloroethylene	9.62		"	10.0		96.2	82-128			
Trichlorofluoromethane	16.1		"	10.0		161	67-139	High Bias		
Vinyl Chloride	14.0		"	10.0		140	70-130	High Bias		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.62</i>		<i>"</i>	<i>10.0</i>		<i>96.2</i>	<i>81-117</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.64</i>		<i>"</i>	<i>10.0</i>		<i>96.4</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 BI80326 - EPA 5030B											
LCS Dup (BI80326-BSD1)											
Prepared & Analyzed: 09/09/2018											
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		0.0982	30	
1,1,1-Trichloroethane	10.6		"	10.0		106	78-130		1.59	20	
1,1,2,2-Tetrachloroethane	9.89		"	10.0		98.9	76-129		3.77	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0		123	70-130		0.406	20	
1,1,2-Trichloroethane	9.41		"	10.0		94.1	82-123		5.48	20	
1,1-Dichloroethane	10.3		"	10.0		103	82-129		3.81	20	
1,1-Dichloroethylene	11.2		"	10.0		112	70-130		0.269	20	
1,2,3-Trichlorobenzene	9.80		"	10.0		98.0	76-130		8.03	20	
1,2,3-Trichloropropane	9.65		"	10.0		96.5	77-128		0.928	30	
1,2,4-Trichlorobenzene	9.25		"	10.0		92.5	76-130		4.44	20	
1,2,4-Trimethylbenzene	9.85		"	10.0		98.5	82-132		0.405	20	
1,2-Dibromo-3-chloropropane	9.55		"	10.0		95.5	45-147		4.30	20	
1,2-Dibromoethane	9.82		"	10.0		98.2	83-124		2.02	20	
1,2-Dichlorobenzene	9.63		"	10.0		96.3	79-123		0.834	20	
1,2-Dichloroethane	10.4		"	10.0		104	73-130		4.98	20	
1,2-Dichloropropane	9.59		"	10.0		95.9	78-126		1.26	20	
1,3,5-Trimethylbenzene	9.80		"	10.0		98.0	80-131		0.204	30	
1,3-Dichlorobenzene	9.49		"	10.0		94.9	86-122		1.67	20	
1,4-Dichlorobenzene	9.60		"	10.0		96.0	85-124		0.627	20	
1,4-Dioxane	152		"	210		72.4	40-160		22.3	20	Non-dir.
2-Butanone	10.7		"	10.0		107	49-152		3.21	20	
2-Hexanone	11.7		"	10.0		117	51-146		2.12	20	
4-Methyl-2-pentanone	10.3		"	10.0		103	57-145		6.69	20	
Acetone	11.6		"	10.0		116	40-150		7.63	20	
Acrolein	10.4		"	10.0		104	10-153		13.9	30	
Acrylonitrile	10.1		"	10.0		101	51-150		3.51	30	
Benzene	10.4		"	10.0		104	85-126		2.94	20	
Bromochloromethane	10.7		"	10.0		107	77-128		5.37	20	
Bromodichloromethane	9.47		"	10.0		94.7	79-128		0.841	20	
Bromoform	9.62		"	10.0		96.2	78-130		2.26	20	
Bromomethane	11.9		"	10.0		119	43-160		30.1	20	Non-dir.
Carbon disulfide	12.5		"	10.0		125	68-146		1.98	20	
Carbon tetrachloride	10.8		"	10.0		108	77-130		0.646	20	
Chlorobenzene	10.1		"	10.0		101	88-120		1.20	20	
Chloroethane	15.1		"	10.0		151	65-136	High Bias	1.40	20	
Chloroform	10.2		"	10.0		102	82-128		4.05	20	
Chloromethane	10.5		"	10.0		105	43-155		21.6	20	Non-dir.
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		2.41	20	
cis-1,3-Dichloropropylene	9.92		"	10.0		99.2	80-130		0.00	20	
Cyclohexane	11.9		"	10.0		119	70-130		0.420	20	
Dibromochloromethane	10.2		"	10.0		102	80-130		0.00	20	
Dibromomethane	9.79		"	10.0		97.9	72-134		1.34	30	
Dichlorodifluoromethane	18.2		"	10.0		182	44-144	High Bias	3.77	20	
Ethyl Benzene	10.6		"	10.0		106	80-130		1.52	20	
Hexachlorobutadiene	9.21		"	10.0		92.1	67-146		0.217	30	
Isopropylbenzene	9.64		"	10.0		96.4	76-130		2.52	20	
Methyl acetate	10.6		"	10.0		106	70-130		10.9	20	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-130		4.49	20	
Methylcyclohexane	10.8		"	10.0		108	72-130		1.77	20	
Methylene chloride	11.4		"	10.0		114	70-130		2.86	20	
n-Butylbenzene	10.3		"	10.0		103	79-132		0.291	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 BI80326 - EPA 5030B

LCS Dup (BI80326-BSD1)

Prepared & Analyzed: 09/09/2018

n-Propylbenzene	10.1		ug/L	10.0		101	78-133			0.995	30		
o-Xylene	10.6		"	10.0		106	78-130			1.72	20		
p- & m- Xylenes	17.9		"	20.0		89.7	77-130			1.97	20		
p-Isopropyltoluene	10.0		"	10.0		100	81-136			0.299	30		
sec-Butylbenzene	10.7		"	10.0		107	79-137			0.753	30		
Styrene	10.3		"	10.0		103	70-130			0.0970	20		
tert-Butyl alcohol (TBA)	37.9		"	50.0		75.8	25-162			30.7	30		Non-dir.
tert-Butylbenzene	9.91		"	10.0		99.1	77-138			0.912	30		
Tetrachloroethylene	7.90		"	10.0		79.0	82-130	Low Bias		0.253	20		
Toluene	10.0		"	10.0		100	80-127			0.300	20		
trans-1,2-Dichloroethylene	10.3		"	10.0		103	80-130			3.80	20		
trans-1,3-Dichloropropylene	9.64		"	10.0		96.4	78-130			2.76	20		
Trichloroethylene	9.71		"	10.0		97.1	82-128			0.931	20		
Trichlorofluoromethane	14.1		"	10.0		141	67-139	High Bias		12.7	20		
Vinyl Chloride	13.1		"	10.0		131	70-130	High Bias		6.66	20		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.56</i>		<i>"</i>	<i>10.0</i>		<i>95.6</i>	<i>70-130</i>						
<i>Surrogate: Toluene-d8</i>	<i>9.79</i>		<i>"</i>	<i>10.0</i>		<i>97.9</i>	<i>81-117</i>						
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.77</i>		<i>"</i>	<i>10.0</i>		<i>97.7</i>	<i>79-122</i>						



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80170 - EPA 3510C

Blank (BI80170-BLK1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								



Semivolatile 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 BI80170 - EPA 3510C

Blank (BI80170-BLK1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

Surrogate: 2-Fluorophenol	15.2		ug/L	50.0		30.4	19.7-63.1						
Surrogate: Phenol-d5	8.20		"	50.0		16.4	10.1-41.7						
Surrogate: Nitrobenzene-d5	15.0		"	25.0		60.1	50.2-113						
Surrogate: 2-Fluorobiphenyl	17.1		"	25.0		68.3	39.9-105						
Surrogate: 2,4,6-Tribromophenol	39.7		"	50.0		79.4	39.3-151						
Surrogate: Terphenyl-d14	24.5		"	25.0		98.2	30.7-106						

Blank (BI80170-BLK2)

Prepared: 09/06/2018 Analyzed: 09/07/2018

Acenaphthene	ND	0.0500	ug/L										
Acenaphthylene	ND	0.0500	"										
Anthracene	ND	0.0500	"										
Atrazine	ND	0.500	"										
Benzo(a)anthracene	ND	0.0500	"										
Benzo(a)pyrene	ND	0.0500	"										
Benzo(b)fluoranthene	ND	0.0500	"										
Benzo(g,h,i)perylene	ND	0.0500	"										
Benzo(k)fluoranthene	ND	0.0500	"										
Bis(2-ethylhexyl)phthalate	ND	0.500	"										
Chrysene	ND	0.0500	"										
Dibenzo(a,h)anthracene	ND	0.0500	"										
Fluoranthene	ND	0.0500	"										
Fluorene	ND	0.0500	"										
Hexachlorobenzene	ND	0.0200	"										
Hexachlorobutadiene	ND	0.500	"										
Hexachloroethane	ND	0.500	"										
Indeno(1,2,3-cd)pyrene	ND	0.0500	"										
Naphthalene	ND	0.0500	"										
Nitrobenzene	ND	0.250	"										
N-Nitrosodimethylamine	ND	0.500	"										
Pentachlorophenol	ND	0.250	"										
Phenanthrene	ND	0.0500	"										
Pyrene	ND	0.0500	"										



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80170 - EPA 3510C

LCS (BI80170-BS1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

1,1-Biphenyl	16.4	5.00	ug/L	25.0		65.7	33-95				
1,2,4,5-Tetrachlorobenzene	16.6	5.00	"	25.0		66.5	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	17.6	5.00	"	25.0		70.4	16-141				
2,3,4,6-Tetrachlorophenol	50.8	5.00	"	25.0		203	30-130	High Bias			
2,4,5-Trichlorophenol	19.7	5.00	"	25.0		78.9	32-114				
2,4,6-Trichlorophenol	18.6	5.00	"	25.0		74.2	35-118				
2,4-Dichlorophenol	17.9	5.00	"	25.0		71.5	25-116				
2,4-Dimethylphenol	16.7	5.00	"	25.0		66.8	15-116				
2,4-Dinitrophenol	27.1	5.00	"	25.0		109	10-170				
2,4-Dinitrotoluene	21.4	5.00	"	25.0		85.7	41-128				
2,6-Dinitrotoluene	19.8	5.00	"	25.0		79.0	45-116				
2-Chloronaphthalene	15.5	5.00	"	25.0		62.0	33-112				
2-Chlorophenol	13.4	5.00	"	25.0		53.5	15-120				
2-Methylnaphthalene	17.7	5.00	"	25.0		70.9	24-118				
2-Methylphenol	9.96	5.00	"	25.0		39.8	10-110				
2-Nitroaniline	14.9	5.00	"	25.0		59.6	34-129				
2-Nitrophenol	16.4	5.00	"	25.0		65.5	28-118				
3- & 4-Methylphenols	9.00	5.00	"	25.0		36.0	10-107				
3,3-Dichlorobenzidine	34.0	5.00	"	25.0		136	15-187				
3-Nitroaniline	16.3	5.00	"	25.0		65.1	24-134				
4,6-Dinitro-2-methylphenol	24.9	5.00	"	25.0		99.5	10-153				
4-Bromophenyl phenyl ether	18.6	5.00	"	25.0		74.6	34-120				
4-Chloro-3-methylphenol	18.1	5.00	"	25.0		72.4	20-120				
4-Chloroaniline	11.1	5.00	"	25.0		44.3	10-147				
4-Chlorophenyl phenyl ether	21.9	5.00	"	25.0		87.5	27-121				
4-Nitroaniline	13.9	5.00	"	25.0		55.6	13-134				
4-Nitrophenol	9.81	5.00	"	25.0		39.2	10-131				
Acetophenone	15.9	5.00	"	25.0		63.8	25-110				
Aniline	5.52	5.00	"	25.0		22.1	10-117				
Benzaldehyde	14.7	5.00	"	25.0		58.8	29-117				
Benzoic acid	2.72	50.0	"	25.2		10.8	30-130	Low Bias			
Benzyl alcohol	9.68	5.00	"	25.0		38.7	10-117				
Benzyl butyl phthalate	23.8	5.00	"	25.0		95.3	29-133				
Bis(2-chloroethoxy)methane	14.3	5.00	"	25.0		57.0	10-154				
Bis(2-chloroethyl)ether	12.0	5.00	"	25.0		47.8	17-125				
Bis(2-chloroisopropyl)ether	11.0	5.00	"	25.0		43.9	10-139				
Caprolactam	2.89	5.00	"	25.0		11.6	10-137				
Carbazole	22.7	5.00	"	25.0		90.8	42-126				
Dibenzofuran	17.2	5.00	"	25.0		68.9	36-113				
Diethyl phthalate	22.1	5.00	"	25.0		88.5	38-115				
Dimethyl phthalate	20.4	5.00	"	25.0		81.5	38-129				
Di-n-butyl phthalate	20.4	5.00	"	25.0		81.4	31-120				
Di-n-octyl phthalate	23.1	5.00	"	25.0		92.3	21-149				
Diphenylamine	23.0	5.00	"	25.0		91.8	40-140				
Hexachlorocyclopentadiene	13.4	10.0	"	25.0		53.7	10-130				
Isophorone	15.6	5.00	"	25.0		62.6	25-127				
N-nitroso-di-n-propylamine	13.9	5.00	"	25.0		55.6	26-122				
N-Nitrosodiphenylamine	23.3	5.00	"	25.0		93.2	23-149				
Phenol	4.68	5.00	"	25.0		18.7	10-110				
Pyridine	12.5	5.00	"	35.0		35.8	10-90				
Surrogate: 2-Fluorophenol	15.9		"	50.0		31.8	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80170 - EPA 3510C

LCS (BI80170-BS1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

Surrogate: Phenol-d5	9.02		ug/L	50.0		18.0	10.1-41.7				
Surrogate: Nitrobenzene-d5	16.2		"	25.0		64.9	50.2-113				
Surrogate: 2-Fluorobiphenyl	20.7		"	25.0		82.6	39.9-105				
Surrogate: 2,4,6-Tribromophenol	50.3		"	50.0		101	39.3-151				
Surrogate: Terphenyl-d14	27.2		"	25.0		109	30.7-106				

LCS (BI80170-BS2)

Prepared: 09/06/2018 Analyzed: 09/07/2018

Acenaphthene	0.780	0.0500	ug/L	1.00		78.0	25-116				
Acenaphthylene	0.800	0.0500	"	1.00		80.0	26-116				
Anthracene	0.910	0.0500	"	1.00		91.0	25-123				
Benzo(a)anthracene	1.01	0.0500	"	1.00		101	33-125				
Benzo(a)pyrene	1.05	0.0500	"	1.00		105	32-132				
Benzo(b)fluoranthene	1.06	0.0500	"	1.00		106	22-137				
Benzo(g,h,i)perylene	1.10	0.0500	"	1.00		110	10-138				
Benzo(k)fluoranthene	1.01	0.0500	"	1.00		101	20-137				
Bis(2-ethylhexyl)phthalate	0.860	0.500	"	1.00		86.0	10-189				
Chrysene	0.940	0.0500	"	1.00		94.0	32-124				
Dibenzo(a,h)anthracene	1.09	0.0500	"	1.00		109	16-133				
Fluoranthene	1.07	0.0500	"	1.00		107	32-121				
Fluorene	0.890	0.0500	"	1.00		89.0	28-118				
Hexachlorobenzene	0.690	0.0200	"	1.00		69.0	23-124				
Hexachlorobutadiene	0.610	0.500	"	1.00		61.0	15-123				
Hexachloroethane	0.600	0.500	"	1.00		60.0	18-115				
Indeno(1,2,3-cd)pyrene	1.09	0.0500	"	1.00		109	15-135				
Naphthalene	0.740	0.0500	"	1.00		74.0	18-120				
Nitrobenzene	0.950	0.250	"	1.00		95.0	21-121				
N-Nitrosodimethylamine	0.190	0.500	"	1.00		19.0	10-124				
Pentachlorophenol	1.84	0.250	"	1.00		184	10-156	High Bias			
Phenanthrene	0.950	0.0500	"	1.00		95.0	24-127				
Pyrene	0.980	0.0500	"	1.00		98.0	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80170 - EPA 3510C											
LCS Dup (BI80170-BSD1)											
Prepared: 09/06/2018 Analyzed: 09/07/2018											
1,1-Biphenyl	17.3	5.00	ug/L	25.0		69.3	33-95		5.39	20	
1,2,4,5-Tetrachlorobenzene	16.0	5.00	"	25.0		63.9	26-120		3.93	20	
1,2-Diphenylhydrazine (as Azobenzene)	15.6	5.00	"	25.0		62.6	16-141		11.8	20	
2,3,4,6-Tetrachlorophenol	50.5	5.00	"	25.0		202	30-130	High Bias	0.651	20	
2,4,5-Trichlorophenol	20.1	5.00	"	25.0		80.3	32-114		1.76	20	
2,4,6-Trichlorophenol	18.7	5.00	"	25.0		74.8	35-118		0.751	20	
2,4-Dichlorophenol	17.3	5.00	"	25.0		69.2	25-116		3.30	20	
2,4-Dimethylphenol	14.9	5.00	"	25.0		59.6	15-116		11.5	20	
2,4-Dinitrophenol	29.6	5.00	"	25.0		118	10-170		8.74	20	
2,4-Dinitrotoluene	21.4	5.00	"	25.0		85.8	41-128		0.0467	20	
2,6-Dinitrotoluene	20.3	5.00	"	25.0		81.3	45-116		2.85	20	
2-Chloronaphthalene	17.1	5.00	"	25.0		68.4	33-112		9.69	20	
2-Chlorophenol	14.3	5.00	"	25.0		57.3	15-120		6.79	20	
2-Methylnaphthalene	17.0	5.00	"	25.0		67.9	24-118		4.32	20	
2-Methylphenol	10.7	5.00	"	25.0		42.8	10-110		7.07	20	
2-Nitroaniline	15.2	5.00	"	25.0		60.7	34-129		1.86	20	
2-Nitrophenol	14.4	5.00	"	25.0		57.5	28-118		13.0	20	
3- & 4-Methylphenols	9.03	5.00	"	25.0		36.1	10-107		0.333	20	
3,3-Dichlorobenzidine	27.3	5.00	"	25.0		109	15-187		21.9	20	Non-dir.
3-Nitroaniline	15.4	5.00	"	25.0		61.8	24-134		5.23	20	
4,6-Dinitro-2-methylphenol	24.3	5.00	"	25.0		97.3	10-153		2.24	20	
4-Bromophenyl phenyl ether	17.5	5.00	"	25.0		70.0	34-120		6.42	20	
4-Chloro-3-methylphenol	16.6	5.00	"	25.0		66.2	20-120		8.89	20	
4-Chloroaniline	11.0	5.00	"	25.0		44.0	10-147		0.634	20	
4-Chlorophenyl phenyl ether	20.6	5.00	"	25.0		82.2	27-121		6.27	20	
4-Nitroaniline	13.3	5.00	"	25.0		53.1	13-134		4.56	20	
4-Nitrophenol	7.19	5.00	"	25.0		28.8	10-131		30.8	20	Non-dir.
Acetophenone	15.4	5.00	"	25.0		61.5	25-110		3.58	20	
Aniline	5.77	5.00	"	25.0		23.1	10-117		4.43	20	
Benzaldehyde	14.5	5.00	"	25.0		58.1	29-117		1.23	20	
Benzoic acid	4.17	50.0	"	25.2		16.5	30-130	Low Bias	42.1	20	Non-dir.
Benzyl alcohol	9.57	5.00	"	25.0		38.3	10-117		1.14	20	
Benzyl butyl phthalate	21.1	5.00	"	25.0		84.2	29-133		12.3	20	
Bis(2-chloroethoxy)methane	12.9	5.00	"	25.0		51.7	10-154		9.78	20	
Bis(2-chloroethyl)ether	11.8	5.00	"	25.0		47.1	17-125		1.52	20	
Bis(2-chloroisopropyl)ether	11.7	5.00	"	25.0		46.7	10-139		6.27	20	
Caprolactam	2.68	5.00	"	25.0		10.7	10-137		7.54	20	
Carbazole	21.0	5.00	"	25.0		84.0	42-126		7.83	20	
Dibenzofuran	17.1	5.00	"	25.0		68.5	36-113		0.640	20	
Diethyl phthalate	21.7	5.00	"	25.0		86.9	38-115		1.82	20	
Dimethyl phthalate	18.9	5.00	"	25.0		75.8	38-129		7.28	20	
Di-n-butyl phthalate	19.4	5.00	"	25.0		77.4	31-120		5.04	20	
Di-n-octyl phthalate	20.7	5.00	"	25.0		82.8	21-149		10.9	20	
Diphenylamine	20.5	5.00	"	25.0		82.1	40-140		11.2	20	
Hexachlorocyclopentadiene	13.1	10.0	"	25.0		52.4	10-130		2.41	20	
Isophorone	14.1	5.00	"	25.0		56.4	25-127		10.3	20	
N-nitroso-di-n-propylamine	14.0	5.00	"	25.0		56.2	26-122		0.930	20	
N-Nitrosodiphenylamine	21.0	5.00	"	25.0		84.2	23-149		10.2	20	
Phenol	4.30	5.00	"	25.0		17.2	10-110		8.46	20	
Pyridine	10.5	5.00	"	35.0		29.9	10-90		17.9	20	
Surrogate: 2-Fluorophenol	16.8		"	50.0		33.7	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80170 - EPA 3510C

LCS Dup (BI80170-BSD1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

Surrogate: Phenol-d5	9.22		ug/L	50.0		18.4	10.1-41.7				
Surrogate: Nitrobenzene-d5	16.2		"	25.0		64.7	50.2-113				
Surrogate: 2-Fluorobiphenyl	21.6		"	25.0		86.3	39.9-105				
Surrogate: 2,4,6-Tribromophenol	45.7		"	50.0		91.4	39.3-151				
Surrogate: Terphenyl-d14	25.5		"	25.0		102	30.7-106				

Batch BI80279 - EPA 3550C

Blank (BI80279-BLK1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

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



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80279 - EPA 3550C

Blank (BI80279-BLK1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Benzyl butyl phthalate	ND	0.0417	mg/kg wet								
Bis(2-chloroethoxy)methane	ND	0.0417	"								
Bis(2-chloroethyl)ether	ND	0.0417	"								
Bis(2-chloroisopropyl)ether	ND	0.0417	"								
Bis(2-ethylhexyl)phthalate	0.0270	0.0417	"								
Caprolactam	ND	0.0833	"								
Carbazole	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Diethyl phthalate	ND	0.0417	"								
Dimethyl phthalate	ND	0.0417	"								
Di-n-butyl phthalate	ND	0.0417	"								
Di-n-octyl phthalate	ND	0.0417	"								
Diphenylamine	ND	0.0833	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Hexachlorobutadiene	ND	0.0417	"								
Hexachlorocyclopentadiene	ND	0.0417	"								
Hexachloroethane	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Isophorone	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Nitrobenzene	ND	0.0417	"								
N-Nitrosodimethylamine	ND	0.0417	"								
N-nitroso-di-n-propylamine	ND	0.0417	"								
N-Nitrosodiphenylamine	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Pyridine	ND	0.167	"								
Surrogate: 2-Fluorophenol	1.28		"	1.67		76.7	20-108				
Surrogate: Phenol-d5	1.23		"	1.67		73.5	23-114				
Surrogate: Nitrobenzene-d5	0.651		"	0.833		78.1	22-108				
Surrogate: 2-Fluorobiphenyl	0.613		"	0.833		73.6	21-113				
Surrogate: 2,4,6-Tribromophenol	1.44		"	1.67		86.3	19-110				
Surrogate: Terphenyl-d14	0.726		"	0.833		87.1	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80279 - EPA 3550C

LCS (BI80279-BS1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

1,1-Biphenyl	0.568	0.0417	mg/kg wet	0.833		68.2	18-111				
1,2,4,5-Tetrachlorobenzene	0.641	0.0833	"	0.833		76.9	21-131				
1,2-Diphenylhydrazine (as Azobenzene)	0.600	0.0417	"	0.833		72.0	17-137				
2,3,4,6-Tetrachlorophenol	1.50	0.0833	"	0.833		180	30-130	High Bias			
2,4,5-Trichlorophenol	0.702	0.0417	"	0.833		84.3	27-118				
2,4,6-Trichlorophenol	0.680	0.0417	"	0.833		81.6	31-120				
2,4-Dichlorophenol	0.753	0.0417	"	0.833		90.4	20-127				
2,4-Dimethylphenol	0.733	0.0417	"	0.833		88.0	14-132				
2,4-Dinitrophenol	1.04	0.0833	"	0.833		124	10-171				
2,4-Dinitrotoluene	0.692	0.0417	"	0.833		83.1	34-131				
2,6-Dinitrotoluene	0.771	0.0417	"	0.833		92.5	31-128				
2-Chloronaphthalene	0.595	0.0417	"	0.833		71.4	31-117				
2-Chlorophenol	0.688	0.0417	"	0.833		82.6	33-113				
2-Methylnaphthalene	0.740	0.0417	"	0.833		88.8	12-138				
2-Methylphenol	0.702	0.0417	"	0.833		84.2	10-136				
2-Nitroaniline	0.718	0.0833	"	0.833		86.1	27-132				
2-Nitrophenol	0.751	0.0417	"	0.833		90.1	17-129				
3- & 4-Methylphenols	0.634	0.0417	"	0.833		76.1	29-103				
3,3-Dichlorobenzidine	0.716	0.0417	"	0.833		85.9	22-149				
3-Nitroaniline	0.660	0.0833	"	0.833		79.2	20-133				
4,6-Dinitro-2-methylphenol	0.960	0.0833	"	0.833		115	10-143				
4-Bromophenyl phenyl ether	0.670	0.0417	"	0.833		80.4	29-120				
4-Chloro-3-methylphenol	0.749	0.0417	"	0.833		89.9	24-129				
4-Chloroaniline	0.542	0.0417	"	0.833		65.0	10-132				
4-Chlorophenyl phenyl ether	0.650	0.0417	"	0.833		78.0	27-124				
4-Nitroaniline	0.741	0.0833	"	0.833		88.9	16-128				
4-Nitrophenol	0.680	0.0833	"	0.833		81.6	10-141				
Acenaphthene	0.617	0.0417	"	0.833		74.0	30-121				
Acenaphthylene	0.630	0.0417	"	0.833		75.6	30-115				
Acetophenone	0.576	0.0417	"	0.833		69.2	20-112				
Aniline	0.461	0.167	"	0.833		55.3	10-119				
Anthracene	0.690	0.0417	"	0.833		82.8	34-118				
Atrazine	0.651	0.0417	"	0.833		78.1	26-112				
Benzaldehyde	0.631	0.0417	"	0.833		75.7	21-100				
Benzo(a)anthracene	0.722	0.0417	"	0.833		86.7	32-122				
Benzo(a)pyrene	0.823	0.0417	"	0.833		98.8	29-133				
Benzo(b)fluoranthene	0.784	0.0417	"	0.833		94.0	25-133				
Benzo(g,h,i)perylene	0.801	0.0417	"	0.833		96.1	10-143				
Benzo(k)fluoranthene	0.714	0.0417	"	0.833		85.7	25-128				
Benzoic acid	0.505	0.0417	"	0.842		60.0	10-140				
Benzyl alcohol	0.768	0.0417	"	0.833		92.2	30-115				
Benzyl butyl phthalate	0.716	0.0417	"	0.833		85.9	26-126				
Bis(2-chloroethoxy)methane	0.687	0.0417	"	0.833		82.4	19-132				
Bis(2-chloroethyl)ether	0.654	0.0417	"	0.833		78.5	19-125				
Bis(2-chloroisopropyl)ether	0.702	0.0417	"	0.833		84.2	20-135				
Bis(2-ethylhexyl)phthalate	0.750	0.0417	"	0.833		90.0	10-155				
Caprolactam	0.648	0.0833	"	0.833		77.7	10-127				
Carbazole	0.655	0.0417	"	0.833		78.6	35-123				
Chrysene	0.685	0.0417	"	0.833		82.2	32-123				
Dibenzo(a,h)anthracene	0.833	0.0417	"	0.833		99.9	10-136				
Dibenzofuran	0.653	0.0417	"	0.833		78.4	29-121				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80279 - EPA 3550C

LCS (BI80279-BS1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Diethyl phthalate	0.657	0.0417	mg/kg wet	0.833		78.8	34-116				
Dimethyl phthalate	0.582	0.0417	"	0.833		69.8	35-124				
Di-n-butyl phthalate	0.681	0.0417	"	0.833		81.7	31-116				
Di-n-octyl phthalate	0.881	0.0417	"	0.833		106	26-136				
Diphenylamine	0.764	0.0833	"	0.833		91.7	40-140				
Fluoranthene	0.719	0.0417	"	0.833		86.3	33-122				
Fluorene	0.666	0.0417	"	0.833		80.0	29-123				
Hexachlorobenzene	0.596	0.0417	"	0.833		71.5	21-124				
Hexachlorobutadiene	0.621	0.0417	"	0.833		74.5	10-149				
Hexachlorocyclopentadiene	0.600	0.0417	"	0.833		72.0	10-129				
Hexachloroethane	0.577	0.0417	"	0.833		69.2	28-108				
Indeno(1,2,3-cd)pyrene	0.813	0.0417	"	0.833		97.6	10-135				
Isophorone	0.665	0.0417	"	0.833		79.8	20-132				
Naphthalene	0.664	0.0417	"	0.833		79.7	23-124				
Nitrobenzene	0.618	0.0417	"	0.833		74.2	13-132				
N-Nitrosodimethylamine	0.623	0.0417	"	0.833		74.8	11-129				
N-nitroso-di-n-propylamine	0.620	0.0417	"	0.833		74.4	24-119				
N-Nitrosodiphenylamine	0.752	0.0417	"	0.833		90.2	22-152				
Pentachlorophenol	0.801	0.0417	"	0.833		96.1	10-139				
Phenanthrene	0.689	0.0417	"	0.833		82.6	33-123				
Phenol	0.679	0.0417	"	0.833		81.5	23-115				
Pyrene	0.675	0.0417	"	0.833		81.0	32-130				
Pyridine	0.449	0.167	"	0.833		53.9	10-91				
Surrogate: 2-Fluorophenol	1.44		"	1.67		86.2	20-108				
Surrogate: Phenol-d5	1.37		"	1.67		82.4	23-114				
Surrogate: Nitrobenzene-d5	0.684		"	0.833		82.1	22-108				
Surrogate: 2-Fluorobiphenyl	0.645		"	0.833		77.4	21-113				
Surrogate: 2,4,6-Tribromophenol	1.64		"	1.67		98.1	19-110				
Surrogate: Terphenyl-d14	0.783		"	0.833		94.0	24-116				



Organochlorine Pesticides by GC/ECD - 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 BI80202 - EPA 3550C

Blank (BI80202-BLK1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

4,4'-DDD	ND	0.000330	mg/kg wet								
4,4'-DDE	ND	0.000330	"								
4,4'-DDT	ND	0.000330	"								
Aldrin	ND	0.000330	"								
alpha-BHC	ND	0.000330	"								
alpha-Chlordane	ND	0.000330	"								
beta-BHC	ND	0.000330	"								
Chlordane, total	ND	0.00660	"								
delta-BHC	ND	0.000330	"								
Dieldrin	ND	0.000330	"								
Endosulfan I	ND	0.000330	"								
Endosulfan II	ND	0.000330	"								
Endosulfan sulfate	ND	0.000330	"								
Endrin	ND	0.000330	"								
Endrin aldehyde	ND	0.000330	"								
Endrin ketone	ND	0.000330	"								
gamma-BHC (Lindane)	ND	0.000330	"								
gamma-Chlordane	ND	0.000330	"								
Heptachlor	ND	0.000330	"								
Heptachlor epoxide	ND	0.000330	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.0167	"								

Surrogate: Decachlorobiphenyl

0.0512

"

0.0670

76.4

30-150

Surrogate: Tetrachloro-m-xylene

0.0571

"

0.0673

84.8

30-150

LCS (BI80202-BS1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

4,4'-DDD	0.0323	0.000330	mg/kg wet	0.0333		96.9	40-140				
4,4'-DDE	0.0249	0.000330	"	0.0333		74.7	40-140				
4,4'-DDT	0.0300	0.000330	"	0.0333		90.1	40-140				
Aldrin	0.0320	0.000330	"	0.0333		95.9	40-140				
alpha-BHC	0.0345	0.000330	"	0.0333		104	40-140				
alpha-Chlordane	0.0307	0.000330	"	0.0333		92.2	40-140				
beta-BHC	0.0292	0.000330	"	0.0333		87.5	40-140				
delta-BHC	0.0356	0.000330	"	0.0333		107	40-140				
Dieldrin	0.0274	0.000330	"	0.0333		82.2	40-140				
Endosulfan I	0.0338	0.000330	"	0.0333		101	40-140				
Endosulfan II	0.0334	0.000330	"	0.0333		100	40-140				
Endosulfan sulfate	0.0324	0.000330	"	0.0333		97.2	40-140				
Endrin	0.0319	0.000330	"	0.0333		95.6	40-140				
Endrin aldehyde	0.0322	0.000330	"	0.0333		96.7	40-140				
Endrin ketone	0.0326	0.000330	"	0.0333		97.7	40-140				
gamma-BHC (Lindane)	0.0329	0.000330	"	0.0333		98.7	40-140				
gamma-Chlordane	0.0302	0.000330	"	0.0333		90.7	40-140				
Heptachlor	0.0299	0.000330	"	0.0333		89.7	40-140				
Heptachlor epoxide	0.0290	0.000330	"	0.0333		86.9	40-140				
Methoxychlor	0.0256	0.00165	"	0.0333		76.9	40-140				

Surrogate: Decachlorobiphenyl

0.0507

"

0.0670

75.7

30-150

Surrogate: Tetrachloro-m-xylene

0.0546

"

0.0673

81.0

30-150



Organochlorine Pesticides by GC/ECD - 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 Y8I1007 - BI80157

Performance Mix (Y8I1007-PEM1)

Prepared & Analyzed: 09/07/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.945		"	0.00			0-200				
4,4'-DDT	198		"	200		98.8	0-200				
Endrin	126		"	100		126	0-200				
Endrin aldehyde	2.29		"	0.00			0-200				
Endrin ketone	6.40		"	0.00			0-200				

Performance Mix (Y8I1007-PEM2)

Prepared & Analyzed: 09/07/2018

4,4'-DDD	0.00		ng/mL	0.00			0-200				
4,4'-DDE	0.842		"	0.00			0-200				
4,4'-DDT	193		"	200		96.4	0-200				
Endrin	125		"	100		125	0-200				
Endrin aldehyde	1.70		"	0.00			0-200				
Endrin ketone	6.15		"	0.00			0-200				



Polychlorinated Biphenyls by GC/ECD - 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 BI80013 - EPA SW846-3510C Low Level

Blank (BI80013-BLK2)

Prepared & Analyzed: 09/04/2018

Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								

Surrogate: Tetrachloro-m-xylene

0.200

"

0.202

99.0

30-120

Surrogate: Decachlorobiphenyl

0.189

"

0.201

94.0

30-120

LCS (BI80013-BS2)

Prepared & Analyzed: 09/04/2018

Aroclor 1016	1.08	0.0500	ug/L	1.00		108	40-120				
Aroclor 1260	1.06	0.0500	"	1.00		106	40-120				
Surrogate: Tetrachloro-m-xylene	0.203		"	0.202		100	30-120				
Surrogate: Decachlorobiphenyl	0.204		"	0.201		101	30-120				

LCS Dup (BI80013-BSD2)

Prepared & Analyzed: 09/04/2018

Aroclor 1016	1.10	0.0500	ug/L	1.00		110	40-120	1.62	30		
Aroclor 1260	1.05	0.0500	"	1.00		105	40-120	0.0758	30		
Surrogate: Tetrachloro-m-xylene	0.205		"	0.202		101	30-120				
Surrogate: Decachlorobiphenyl	0.198		"	0.201		98.5	30-120				

Batch BI80202 - EPA 3550C

Blank (BI80202-BLK2)

Prepared: 09/06/2018 Analyzed: 09/07/2018

Aroclor 1016	ND	0.0167	mg/kg wet								
Aroclor 1221	ND	0.0167	"								
Aroclor 1232	ND	0.0167	"								
Aroclor 1242	ND	0.0167	"								
Aroclor 1248	ND	0.0167	"								
Aroclor 1254	ND	0.0167	"								
Aroclor 1260	ND	0.0167	"								
Total PCBs	ND	0.0167	"								

Surrogate: Tetrachloro-m-xylene

0.0663

"

0.0673

98.5

30-140

Surrogate: Decachlorobiphenyl

0.0700

"

0.0670

104

30-140



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting	Units	Spike	Source*	%REC	Limits	Flag	RPD	RPD	Limit	Flag
		Limit		Level	Result	%REC			Limit			
Batch BI80202 - EPA 3550C												
LCS (BI80202-BS2)											Prepared: 09/06/2018 Analyzed: 09/07/2018	
Aroclor 1016	0.377	0.0167	mg/kg wet	0.333		113	40-130					
Aroclor 1260	0.352	0.0167	"	0.333		106	40-130					
<i>Surrogate: Tetrachloro-m-xylene</i>	<i>0.0643</i>		"	<i>0.0673</i>		<i>95.5</i>	<i>30-140</i>					
<i>Surrogate: Decachlorobiphenyl</i>	<i>0.0587</i>		"	<i>0.0670</i>		<i>87.6</i>	<i>30-140</i>					



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

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

Batch BI80281 - EPA 3050B

Blank (BI80281-BLK1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	0.500	"								
Arsenic	ND	1.00	"								
Barium	ND	1.00	"								
Beryllium	ND	0.100	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.500	"								
Copper	ND	0.500	"								
Iron	6.89	2.00	"								
Lead	0.506	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	0.500	"								
Potassium	8.06	5.00	"								
Selenium	ND	1.00	"								
Silver	ND	0.500	"								
Sodium	11.2	10.0	"								
Thallium	ND	1.00	"								
Vanadium	ND	1.00	"								
Zinc	ND	1.50	"								

Reference (BI80281-SRM1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Aluminum	7550	5.00	mg/kg wet	8360	90.3	39.4-160.5
Antimony	86.1	0.500	"	75.5	114	25.1-275.7
Arsenic	169	1.00	"	161	105	69.9-132.9
Barium	268	1.00	"	260	103	71.5-136.3
Beryllium	97.2	0.100	"	97.6	99.6	75.4-138.1
Cadmium	212	0.300	"	211	100	73.3-141.5
Calcium	4990	5.00	"	4760	105	73.7-136.1
Chromium	134	0.500	"	136	98.7	69.1-143.3
Cobalt	51.7	0.500	"	48.2	107	74.6-142
Copper	171	0.500	"	166	103	72.7-141.6
Iron	13400	2.00	"	14100	95.2	35.6-163.9
Lead	116	0.500	"	111	104	70.8-137.1
Magnesium	2370	5.00	"	2340	101	63.6-136.1
Manganese	229	0.500	"	228	100	75.7-134.3
Nickel	106	0.500	"	91.9	115	70.7-146.3
Potassium	2240	5.00	"	2020	111	59.8-140.2
Selenium	170	1.00	"	191	89.0	67.1-136.8
Silver	41.8	0.500	"	43.3	96.5	66.5-139.5
Sodium	245	10.0	"	218	113	40.6-159.8
Thallium	156	1.00	"	156	99.9	68-136.2
Vanadium	53.9	1.00	"	56.7	95.0	58.9-141.8
Zinc	201	1.50	"	199	101	69.5-131.1



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 BI80284 - EPA 3015A

Blank (BI80284-BLK1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Aluminum	ND	0.0500	mg/L										
Barium	ND	0.0100	"										
Calcium	ND	0.0500	"										
Chromium	ND	0.00500	"										
Cobalt	ND	0.00500	"										
Copper	ND	0.00500	"										
Iron	ND	0.0200	"										
Lead	ND	0.00500	"										
Magnesium	ND	0.0500	"										
Manganese	ND	0.00500	"										
Nickel	ND	0.00500	"										
Potassium	0.0893	0.0500	"										
Silver	ND	0.00500	"										
Sodium	ND	0.100	"										
Vanadium	ND	0.0100	"										
Zinc	ND	0.0150	"										

LCS (BI80284-BS1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Aluminum	1.99		ug/mL	2.00	99.3	80-120							
Barium	2.17		"	2.00	108	80-120							
Calcium	1.16		"	1.00	116	80-120							
Chromium	0.216		"	0.200	108	80-120							
Cobalt	0.543		"	0.500	109	80-120							
Copper	0.270		"	0.250	108	80-120							
Iron	1.04		"	1.00	104	80-120							
Lead	0.524		"	0.500	105	80-120							
Magnesium	1.08		"	1.00	108	80-120							
Manganese	0.544		"	0.500	109	80-120							
Nickel	0.535		"	0.500	107	80-120							
Potassium	1.02		"	0.500	205	80-120				High Bias			
Silver	0.0510		"	0.0500	102	80-120							
Sodium	1.15		"	1.00	115	80-120							
Vanadium	0.528		"	0.500	106	80-120							
Zinc	0.525		"	0.500	105	80-120							



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 BI80362 - EPA 3015A

Blank (BI80362-BLK1)

Prepared & Analyzed: 09/10/2018

Aluminum - Dissolved	ND	0.0556	mg/L										
Barium - Dissolved	ND	0.0111	"										
Calcium - Dissolved	ND	0.0556	"										
Chromium - Dissolved	ND	0.00556	"										
Cobalt - Dissolved	ND	0.00556	"										
Copper - Dissolved	ND	0.00556	"										
Iron - Dissolved	0.0434	0.0222	"										
Lead - Dissolved	ND	0.00556	"										
Magnesium - Dissolved	ND	0.0556	"										
Manganese - Dissolved	ND	0.00556	"										
Nickel - Dissolved	ND	0.00556	"										
Potassium - Dissolved	ND	0.0556	"										
Silver - Dissolved	ND	0.00556	"										
Sodium - Dissolved	ND	0.111	"										
Vanadium - Dissolved	ND	0.0111	"										
Zinc - Dissolved	ND	0.0167	"										

LCS (BI80362-BS1)

Prepared & Analyzed: 09/10/2018

Aluminum - Dissolved	2.01		ug/mL	2.00	100	80-120							
Barium - Dissolved	2.18		"	2.00	109	80-120							
Calcium - Dissolved	1.06		"	1.00	106	80-120							
Chromium - Dissolved	0.219		"	0.200	109	80-120							
Cobalt - Dissolved	0.550		"	0.500	110	80-120							
Copper - Dissolved	0.267		"	0.250	107	80-120							
Iron - Dissolved	1.41		"	1.00	141	80-120	High Bias						
Lead - Dissolved	0.537		"	0.500	107	80-120							
Magnesium - Dissolved	1.07		"	1.00	107	80-120							
Manganese - Dissolved	0.541		"	0.500	108	80-120							
Nickel - Dissolved	0.537		"	0.500	107	80-120							
Potassium - Dissolved	1.18		"	0.500	235	80-120	High Bias						
Silver - Dissolved	0.0512		"	0.0500	102	80-120							
Sodium - Dissolved	1.14		"	1.00	114	80-120							
Vanadium - Dissolved	0.521		"	0.500	104	80-120							
Zinc - Dissolved	0.532		"	0.500	106	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 BI80362 - EPA 3015A

Duplicate (BI80362-DUP1)	*Source sample: 18I0021-05 (TMW14_083118)					Prepared & Analyzed: 09/10/2018					
Aluminum - Dissolved	0.207	0.0556	mg/L		0.185				11.1	20	
Barium - Dissolved	0.0729	0.0111	"		0.0785				7.42	20	
Calcium - Dissolved	84.8	0.0556	"		86.4				1.82	20	
Chromium - Dissolved	ND	0.00556	"		0.00590					20	
Cobalt - Dissolved	ND	0.00556	"		ND					20	
Copper - Dissolved	0.0120	0.00556	"		0.0166				31.7	20	Non-dir.
Iron - Dissolved	0.960	0.0222	"		0.965				0.532	20	
Lead - Dissolved	0.00566	0.00556	"		0.00885				44.0	20	Non-dir.
Magnesium - Dissolved	47.8	0.0556	"		49.0				2.50	20	
Manganese - Dissolved	0.259	0.00556	"		0.286				9.87	20	
Nickel - Dissolved	0.00842	0.00556	"		ND					20	
Potassium - Dissolved	43.1	0.0556	"		44.0				2.02	20	
Silver - Dissolved	ND	0.00556	"		ND					20	
Sodium - Dissolved	1240	0.111	"		1240				0.0111	20	
Vanadium - Dissolved	ND	0.0111	"		ND					20	
Zinc - Dissolved	ND	0.0167	"		0.0167					20	

Matrix Spike (BI80362-MS1)	*Source sample: 18I0021-05 (TMW14_083118)					Prepared & Analyzed: 09/10/2018					
Barium - Dissolved	2.49	0.0111	mg/L	2.22	0.0785	109	75-125				
Chromium - Dissolved	0.249	0.00556	"	0.222	0.00590	109	75-125				
Cobalt - Dissolved	0.631	0.00556	"	0.556	ND	114	75-125				
Copper - Dissolved	0.356	0.00556	"	0.278	0.0166	122	75-125				
Iron - Dissolved	2.14	0.0222	"	1.11	0.965	105	75-125				
Lead - Dissolved	0.618	0.00556	"	0.556	0.00885	110	75-125				
Manganese - Dissolved	0.863	0.00556	"	0.556	0.286	104	75-125				
Nickel - Dissolved	0.667	0.00556	"	0.556	ND	120	75-125				
Silver - Dissolved	0.0583	0.00556	"	0.0556	ND	105	75-125				
Vanadium - Dissolved	0.601	0.0111	"	0.556	ND	108	75-125				
Zinc - Dissolved	0.633	0.0167	"	0.556	0.0167	114	75-125				



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

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

Batch BI80283 - EPA 3015A

Blank (BI80283-BLK1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.00111	"								
Cadmium	ND	0.00111	"								
Selenium	0.00652	0.00111	"								
Thallium	ND	0.00111	"								

LCS (BI80283-BS1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Antimony	52.2		ug/L	50.0		104	80-120				
Arsenic	52.2		"	50.0		104	80-120				
Beryllium	48.8		"	50.0		97.6	80-120				
Cadmium	51.4		"	50.0		103	80-120				
Selenium	59.3		"	50.0		119	80-120				
Thallium	61.1		"	50.0		122	80-120	High Bias			

Batch BI80363 - EPA 3015A

Blank (BI80363-BLK1)

Prepared: 09/10/2018 Analyzed: 09/11/2018

Antimony - Dissolved	ND	0.00111	mg/L								
Arsenic - Dissolved	ND	0.00111	"								
Beryllium - Dissolved	ND	0.00111	"								
Cadmium - Dissolved	ND	0.00111	"								
Selenium - Dissolved	0.00756	0.00111	"								
Thallium - Dissolved	ND	0.00111	"								

LCS (BI80363-BS1)

Prepared: 09/10/2018 Analyzed: 09/11/2018

Antimony - Dissolved	53.9		ug/L	50.0		108	80-120				
Arsenic - Dissolved	51.9		"	50.0		104	80-120				
Beryllium - Dissolved	49.4		"	50.0		98.7	80-120				
Cadmium - Dissolved	52.5		"	50.0		105	80-120				
Selenium - Dissolved	56.9		"	50.0		114	80-120				
Thallium - Dissolved	52.4		"	50.0		105	80-120				



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

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

Batch BI80363 - EPA 3015A

Duplicate (BI80363-DUP1)	*Source sample: 18I0021-05 (TMW14_083118)						Prepared: 09/10/2018 Analyzed: 09/11/2018					
Antimony - Dissolved	0.00260	0.00111	mg/L		0.00263					1.27	20	
Arsenic - Dissolved	0.00571	0.00111	"		0.00599					4.82	20	
Beryllium - Dissolved	ND	0.00111	"		ND						20	
Cadmium - Dissolved	ND	0.00111	"		ND						20	
Selenium - Dissolved	0.0375	0.00111	"		0.0334					11.6	20	
Thallium - Dissolved	ND	0.00111	"		ND						20	

Matrix Spike (BI80363-MS1)	*Source sample: 18I0021-05 (TMW14_083118)						Prepared: 09/10/2018 Analyzed: 09/11/2018					
Antimony - Dissolved	63.2		ug/L	50.0	2.37	122	75-125					
Arsenic - Dissolved	63.7		"	50.0	5.39	117	75-125					
Beryllium - Dissolved	38.7		"	50.0	0.004	77.3	75-125					
Cadmium - Dissolved	53.7		"	50.0	0.224	107	75-125					
Selenium - Dissolved	104		"	50.0	30.0	148	75-125	High Bias				
Thallium - Dissolved	48.7		"	50.0	0.178	97.0	75-125					



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 BI80019 - EPA 7473 water											
Blank (BI80019-BLK1)										Prepared & Analyzed: 09/04/2018	
Mercury - Dissolved	ND	0.0002000	mg/L								
Duplicate (BI80019-DUP1)										*Source sample: 18I0021-05 (TMW14_083118) Prepared & Analyzed: 09/04/2018	
Mercury - Dissolved	ND	0.0002000	mg/L		ND						20
Matrix Spike (BI80019-MS1)										*Source sample: 18I0021-05 (TMW14_083118) Prepared & Analyzed: 09/04/2018	
Mercury - Dissolved	0.009923		mg/L	0.0100	0.000	99.2	75-125				
Reference (BI80019-SRM1)										Prepared & Analyzed: 09/04/2018	
Mercury - Dissolved	0.01108		mg/L	0.0100		111	70-130				
Batch BI80088 - EPA 7473 soil											
Blank (BI80088-BLK1)										Prepared & Analyzed: 09/05/2018	
Mercury	ND	0.0300	mg/kg wet								
Reference (BI80088-SRM1)										Prepared & Analyzed: 09/05/2018	
Mercury	10.921		mg/kg	13.8		79.1	51.4-168.8				
Batch BI80160 - EPA 7473 water											
Blank (BI80160-BLK1)										Prepared & Analyzed: 09/06/2018	
Mercury	ND	0.00020	mg/L								
Reference (BI80160-SRM1)										Prepared & Analyzed: 09/06/2018	
Mercury	0.00955		mg/L	0.0100		95.5	70-130				



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 BI80027 - Analysis Preparation											
Blank (BI80027-BLK1)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent - Dissolved	ND	0.0100	mg/L								
Chromium, Hexavalent	ND	0.0100	"								
LCS (BI80027-BS1)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent	0.439	0.0100	mg/L	0.500		87.8	80-120				
Chromium, Hexavalent - Dissolved	0.439	0.0100	"	0.500		87.8	80-120				
Duplicate (BI80027-DUP1)										Prepared & Analyzed: 09/04/2018	
*Source sample: 18I0021-05 (TMW14_083118)											
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20
Chromium, Hexavalent - Dissolved	ND	0.0100	"		ND						20
Matrix Spike (BI80027-MS1)										Prepared & Analyzed: 09/04/2018	
*Source sample: 18I0021-05 (TMW14_083118)											
Chromium, Hexavalent	0.390	0.0100	mg/L	0.500	ND	78.0	75-125				
Chromium, Hexavalent - Dissolved	0.390	0.0100	"	0.500	ND	78.0	75-125				
Batch BI80100 - Analysis Preparation Soil											
Blank (BI80100-BLK1)										Prepared & Analyzed: 09/05/2018	
Cyanide, total	ND	0.500	mg/kg wet								
Reference (BI80100-SRM1)										Prepared & Analyzed: 09/05/2018	
Cyanide, total	48.1		ug/mL	41.4		116	34.3-167				
Batch BI80161 - EPA SW846-3060											
Blank (BI80161-BLK1)										Prepared & Analyzed: 09/06/2018	
Chromium, Hexavalent	ND	0.500	mg/kg wet								



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 BI80161 - EPA SW846-3060											
Reference (BI80161-SRM1)							Prepared & Analyzed: 09/06/2018				
Chromium, Hexavalent	30.2		mg/L	76.9		39.2	20.3-212				
Batch BI80181 - Analysis Preparation											
Blank (BI80181-BLK1)							Prepared & Analyzed: 09/06/2018				
Cyanide, total	ND	0.0100	mg/L								
LCS (BI80181-BS1)							Prepared & Analyzed: 09/06/2018				
Cyanide, total	0.176	0.0100	mg/L	0.200		88.0	76.2-107				
Batch BI80273 - Analysis Preparation											
Blank (BI80273-BLK1)							Prepared & Analyzed: 09/07/2018				
Cyanide, total	ND	0.0100	mg/L								
LCS (BI80273-BS1)							Prepared & Analyzed: 09/07/2018				
Cyanide, total	0.180	0.0100	mg/L	0.200		89.8	76.2-107				
Duplicate (BI80273-DUP2)							Prepared & Analyzed: 09/07/2018				
	*Source sample: 18I0021-05 (TMW14_083118)										
Cyanide, total	3.44	0.500	mg/L			3.33			3.04	15	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18I0021-01	SP11_1-2	40mL Vial with Stir Bar-Cool 4° C
18I0021-02	SP11_5-6	40mL Vial with Stir Bar-Cool 4° C
18I0021-03	TMW12_083118	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I0021-04	TMW11_083118	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I0021-05	TMW14_083118	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I0021-06	TB04_083118	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-08	The recovery of this surrogate was outside of QC limits.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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.
M-SRD1	The serial dilution for this element was outside control limits.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-CRL	The RL check for this element recovered outside of control limits.
M-BS	The recovery for this element in the batch blank spike recovered slightly 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.
HT-01	This result was reported from an analysis conducted outside of the EPA recommended holding time.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

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



High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



York Analytical Laboratories, Inc.
 120 Research Drive
 Stratford, CT 06615
 clientservices@yorklab.com
 www.yorklab.com

Field Chain-of-Custody Record

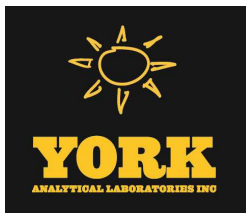
YORK Project No.

18D0021

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	Company:	SAME	Company:	SAME	170502901		RUSH - Next Day	
Address:	360 W. 31st St 8th Fl NY, NY	Address:		Address:		YOUR Project Name 320 W. Fordham Road CSX Lots		RUSH - Two Day	
Phone:	212 479 5400	Phone:		Phone:				RUSH - Three Day	
Contact:	Julia Lewis	Contact:		Contact:				RUSH - Four Day	
E-mail:	JLewis@Langan.com	E-mail:		E-mail:				Standard (5-7 Day)	
<p>Matrix Codes</p> <p>S - soil / solid GW - groundwater DW - drinking water WW - wastewater O - Oil ; Other</p>									
<p>Report / EDD Type (circle selections)</p> <p>CT RCP CT RCP DQA/DUE NJDEP Reduced Deliverables NJDKQP Standard Excel EDD EQUIS (Standard) NYSDEC EQUIS NJDEP SRP HazSite Other:</p>									
<p>YORK Reg. Comp.</p> <p>Compared to the following Regulation(s): (please fill in)</p>									
<p>Container Description</p> <p>hexachone, trichone</p>									
<p>Analysis Requested</p> <p>TCLVOCs, SVOCs, PCBs, Pesticides, Cyanide, Metals, hexachone, trichone</p>									
<p>Summary Report</p> <p>QA Report NY ASP A Package NY ASP B Package</p>									
<p>Samples From</p> <p>New York New Jersey Connecticut Pennsylvania Other</p>									
<p>Sample Matrix</p> <p>S S GW GW GW TB</p>									
<p>Date/Time Sampled</p> <p>8/31/18, 1120 8/31/18, 1130 8/31/18, 1020 8/31/18, 1250 8/31/18, 1330 8/31/18, 1410</p>									
<p>Sample Identification</p> <p>SP11-1-2 SP11-5-6 TMW12-083118 TMW11-083118 TMW14-083118 TB04-083118</p>									
<p>Comments:</p> <p>Preservation: (check all that apply) HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other: ___</p>									
<p>Special Instruction</p> <p>Field Filtered Lab to Filter</p>									
<p>Samples Relinquished by / Company</p> <p>8/31/18 3:00 PM 8/31/18 3:00 PM 8/31/18 3:00 PM 8/31/18 3:00 PM 8/31/18 3:00 PM 8/31/18 3:00 PM</p>									
<p>Samples Received by / Company</p> <p>8/31/18 3:00 PM 8/31/18 3:00 PM 8/31/18 3:00 PM 8/31/18 3:00 PM 8/31/18 3:00 PM 8/31/18 3:00 PM</p>									
<p>Samples Relinquished in LAB by</p> <p>70 Gal 8/31/18 1824</p>									
<p>Temp. Received at Lab</p> <p>1.9</p>									



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Julia Leung

Report Date: 09/20/2018

Client Project ID: 170502901

York Project (SDG) No.: 18I0067



CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037

New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 09/20/2018
Client Project ID: 170502901
York Project (SDG) No.: 18I0067

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Julia Leung

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 04, 2018 and listed below. The project was identified as your project: **170502901**.

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>
18I0067-01	TMW20_090418	Water	09/04/2018	09/04/2018

General Notes for York Project (SDG) No.: 18I0067

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: 09/20/2018





Sample Information

Client Sample ID: TMW20_090418

York Sample ID: 18I0067-01

<u>York Project (SDG) No.</u> 18I0067	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2018 11:00 am	<u>Date Received</u> 09/04/2018
--	---------------------------------------	------------------------	---	------------------------------------

Analyzed by: Con-Test Analytical Laboratory

PFAS in Water by EPA 537

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
	Perfluoropentanoic acid (PFPeA)	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		
375-73-5	Perfluorobutanesulfonic acid (PFBS)	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		
307-24-4	Perfluorohexanoic acid (PFHxA)	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		
375-85-9	Perfluoroheptanoic acid (PFHpA)	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		
335-67-1	Perfluorooctanoic acid (PFOA)	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		
375-95-1	Perfluorononanoic acid (PFNA)	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		
335-76-2	Perfluorodecanoic acid (PFDA)	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		
	NMeFOSAA	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		
2058-94-8	Perfluoroundecanoic acid (PFUnA)	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		
	NEtFOSAA	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		
307-55-1	Perfluorododecanoic acid (PFDoA)	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		
376-06-7	Perfluorotetradecanoic acid (PFTA)	See attached		ng/L	See attach 1		See attached Certifications:	09/04/2018 11:00		

Surrogate Recoveries

Result

Acceptance Range

Surrogate: 13C-PFHxA

%

70-130

Surrogate: 13C-PFDA

%

70-130

Surrogate: d5-NEtFOSAA

%

70-130



Analytical Batch Summary

Batch ID: See attached

Preparation Method: Analysis Preparation

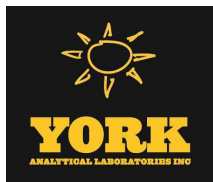
Prepared By:

YORK Sample ID	Client Sample ID	Preparation Date
18I0067-01	TMW20_090418	09/04/18



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





Sample and Data Qualifiers Relating to This Work Order

See attach See attached

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)
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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.



Company Name: **LANGAN**
 Address: 360 W. 3rd St, Springfield, MA
 Phone: (212) 479-5400
 Project Name: 320 W. Foxglove Road - Cst Lots
 Project Location: 320 W. Foxglove Road, B60X, MA
 Project Number: 17050290
 Project Manager: Julia Lunj
 Con-Test Quote Name/Number:
 Invoice Recipient:
 Sampled By: Sheriff Satoh

Requested Turnaround Time
 7-Day 10-Day
 Due Date:
Rush-Approval Required
 1-Day 3-Day
 2-Day 4-Day
Data Delivery
 Format: PDF EXCEL
 Other:
 CLP Like Data Pkg Required:
 Email To:
 Fax To #:

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
	TMW18-090418	9/4/18 1000		X		GW	
	TMW20-090418	9/4/18 1100				GW	

ANALYSIS REQUESTED

- 1 Matrix Codes:**
 GW = Ground Water
 WW = Waste Water
 DW = Drinking Water
 A = Air
 S = Soil
 SL = Sludge
 SOL = Solid
 O = Other (please define)
- 2 Preservation Codes:**
 I = Iced
 H = HCL
 M = Methanol
 N = Nitric Acid
 S = Sulfuric Acid
 B = Sodium Bisulfate
 X = Sodium Hydroxide
 T = Sodium Thiosulfate
 O = Other (please define)
- 3 Container Codes:**
 A = Amber Glass
 G = Glass
 P = Plastic
 ST = Sterile
 V = Vial
 S = Summa Canister
 T = Tedlar Bag
 O = Other (please define)
- Dissolved Metals Samples**
 Field Filtered
 Lab to Filter
- Orthophosphate Samples**
 Field Filtered
 Lab to Filter

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
 H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) *Sheriff Satoh* Date/Time: 8/4/18 1:30 PM
Received by: (signature) *Sheriff Satoh* Date/Time: 8/4/18 1:30 PM
Relinquished by: (signature) *Sheriff Satoh* Date/Time: 8/4/18 3:00
Received by: (signature) *Sheriff Satoh* Date/Time: 9/4/18 3:00
Relinquished by: (signature) *Sheriff Satoh* Date/Time: 9/4/18 1845
Received by: (signature) *Sheriff Satoh* Date/Time: 9-4-18 1845

Detection Limit Requirements
 MA CT Other: _____

Special Requirements
 MA MCP Required
 MCP Certification Form Required
 CT RCP Required
 RCP Certification Form Required
 MA State DW Required

Project Entity
 Government Federal City
 Municipality 21 J Brownfield
 MWRA School MBTA
 WRTA Chromatogram AIHA-LAP, LLC

Other: _____



NELAC and AIHA-LAP, LLC Accredited

September 20, 2018

Richard August
York Analytical Labs
120 Research Drive
Stratford, CT 06615

Project Location: 18I0067
Client Job Number:
Project Number: 18I0067
Laboratory Work Order Number: 18I0171

Enclosed are results of analyses for samples received by the laboratory on September 5, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive style with a large, prominent 'K' and 'M'.

Kerry K. McGee
Project Manager

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18I0171-01	5
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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

York Analytical Labs
120 Research Drive
Stratford, CT 06615
ATTN: Richard August

REPORT DATE: 9/20/2018

PURCHASE ORDER NUMBER: 19395

PROJECT NUMBER: 18I0067

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18I0171

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: 18I0067

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
18I0067-01	18I0171-01	Water		SOP 434-PFAAS	

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing. I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Tod Kopycinski". The signature is written in a cursive, somewhat stylized script.

Tod E. Kopycinski
Laboratory Director

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: 18I0067

Sample Description:

Work Order: 18I0171

Date Received: 9/5/2018

Field Sample #: 18I0067-01

Sampled: 9/4/2018 11:00

Sample ID: 18I0171-01

Sample Matrix: Water

Miscellaneous Organic Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanesulfonic acid (PFBS)	2.4	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluorohexanoic acid (PFHxA)	3.8	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluoroheptanoic acid (PFHpA)	2.5	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluorobutanoic acid (PFBA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluorooctanesulfonamide (FOSA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluoropentanoic acid (PFPeA)	2.9	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
6:2 Fluorotelomersulfonate (6:2 FTS)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
8:2 Fluorotelomersulfonate (8:2 FTS)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluorohexanesulfonic acid (PFHxS)	2.7	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluorooctanoic acid (PFOA)	26	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluorooctanesulfonic acid (PFOS)	9.8	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
NMeFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
NEtFOSAA	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluorotridecanoic acid (PFTTrDA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L	1		SOP 434-PFAAS	9/12/18	9/19/18 12:49	KAF
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
13C-PFHxA	70.1	70-130	9/19/18 12:49						
13C-PFDA	70.6	70-130	9/19/18 12:49						
d5-NEtFOSAA	70.3	70-130	9/19/18 12:49						

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: EPA 537-SOP 434-PFAAS

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18I0171-01 [18I0067-01]	B212314	250	1.00	09/12/18

QUALITY CONTROL

Miscellaneous Organic Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B212314 - EPA 537										
Blank (B212314-BLK1)										
Prepared: 09/12/18 Analyzed: 09/18/18										
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0	ng/L							
Perfluorobutanoic acid (PFBA)	ND	2.0	ng/L							
Perfluorodecanesulfonic acid (PFDS)	ND	2.0	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	ng/L							
Perfluorooctanesulfonamide (FOSA)	ND	2.0	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.0	ng/L							
6:2 Fluorotelomersulfonate (6:2 FTS)	ND	2.0	ng/L							
8:2 Fluorotelomersulfonate (8:2 FTS)	ND	2.0	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0	ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0	ng/L							
NMeFOSAA	ND	2.0	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0	ng/L							
NEtFOSAA	ND	2.0	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0	ng/L							
Perfluorotridecanoic acid (PFTrDA)	ND	2.0	ng/L							
Perfluorotetradecanoic acid (PFTA)	ND	2.0	ng/L							
Surrogate: 13C-PFHxA	51.0		ng/L	40.0		128	70-130			
Surrogate: 13C-PFDA	51.6		ng/L	40.0		129	70-130			
Surrogate: d5-NEtFOSAA	207		ng/L	160		129	70-130			
LCS (B212314-BS1)										
Prepared: 09/12/18 Analyzed: 09/18/18										
Perfluorobutanesulfonic acid (PFBS)	16.6	2.0	ng/L	17.7		93.8	70-130			
Perfluorohexanoic acid (PFHxA)	18.0	2.0	ng/L	20.0		90.1	70-130			
Perfluoroheptanoic acid (PFHpA)	20.0	2.0	ng/L	20.0		99.8	70-130			
Perfluorobutanoic acid (PFBA)	17.5	2.0	ng/L	20.0		87.5	70-130			
Perfluorodecanesulfonic acid (PFDS)	19.6	2.0	ng/L	19.3		102	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	18.2	2.0	ng/L	19.0		95.8	70-130			
Perfluorooctanesulfonamide (FOSA)	20.4	2.0	ng/L	20.0		102	70-130			
Perfluoropentanoic acid (PFPeA)	17.8	2.0	ng/L	20.0		89.2	70-130			
6:2 Fluorotelomersulfonate (6:2 FTS)	14.9	2.0	ng/L	19.0		78.3	70-130			
8:2 Fluorotelomersulfonate (8:2 FTS)	16.4	2.0	ng/L	19.2		85.6	70-130			
Perfluorohexanesulfonic acid (PFHxS)	20.7	2.0	ng/L	18.2		114	70-130			
Perfluorooctanoic acid (PFOA)	20.0	2.0	ng/L	20.0		100	70-130			
Perfluorooctanesulfonic acid (PFOS)	18.3	2.0	ng/L	18.5		98.9	70-130			
Perfluorononanoic acid (PFNA)	17.4	2.0	ng/L	20.0		86.9	70-130			
Perfluorodecanoic acid (PFDA)	19.7	2.0	ng/L	20.0		98.5	70-130			
NMeFOSAA	18.0	2.0	ng/L	20.0		89.8	70-130			
Perfluoroundecanoic acid (PFUnA)	19.8	2.0	ng/L	20.0		99.2	70-130			
NEtFOSAA	19.0	2.0	ng/L	20.0		95.1	70-130			
Perfluorododecanoic acid (PFDoA)	20.0	2.0	ng/L	20.0		99.8	70-130			
Perfluorotridecanoic acid (PFTrDA)	19.9	2.0	ng/L	20.0		99.3	70-130			
Perfluorotetradecanoic acid (PFTA)	20.0	2.0	ng/L	20.0		100	70-130			
Surrogate: 13C-PFHxA	49.1		ng/L	40.0		123	70-130			
Surrogate: 13C-PFDA	48.9		ng/L	40.0		122	70-130			
Surrogate: d5-NEtFOSAA	207		ng/L	160		130	70-130			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

No results have been blank subtracted unless specified in the case narrative section.

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Public Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

18I0671

YORK

Analytical Laboratories, Inc.

9/5/2018

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody York Project No.: 18I0067

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific parameters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com Mail/Fax Hard Copies to: York Analytical at the address below

SENDING LABORATORY:

York Analytical Laboratories, Inc.
120 Research Drive
Stratford, CT 06615
Phone: 203.325.1371
Fax: 203.357.0166
Contact: York Analytical

RECEIVING LABORATORY:

Con-Test Analytical Laboratory
39 Spruce Street
East Long Meadow, MA 01028
Phone :(413) 525-2332
Fax: (413) 525-6405

Sample ID: 18I0067-01

Matrix: Water

Date Sampled : 09/04/2018 11:00

Analysis Needed

Date Due

Holding Time Expires

Comments

PFAS in Water by EPA 537

09/18/2018 16:30

09/18/2018 11:00

Containers Supplied:

10_250mL Square Plastic Cool to 4° C (A)

10_250mL Square Plastic Cool to 4° C (B)

York Purchase Order No.: 19395

Samples from State of: NY

Deliverables required:

Data Pkg DUE:

EDDs required:

Chain-of-Custody Information

Paul Grace

9/5/2018 @

1340 @ 2.7°C

9/5/18

1900

Released By York Sample Control

Date

Received By

Date

[Signature]

9/5/18 1340

[Signature]

9/5/18 1630

Received By

Date

Received in Subcontract Lab By

Date

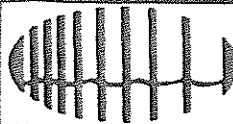
[Signature]

9/5/18 1740

[Signature]

2.4 9/5/18 17:40

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples _____



con-test
ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client York

Received By NP Date 9/5/18 Time _____

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 557 Actual Temp - 2.4
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? F

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? N/A

Proper Media/Containers Used? T

Were trip blanks received? F

Do all samples have the proper pH? N/A

Who was notified? _____

Who was notified? _____

Who was notified? _____

MS/MSD? F

Is splitting samples required? F

On COC? F

Acid _____ Base _____

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic	2	4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Unused Media

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear
DI-		Other Plastic		Other Glass		Encore
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:
Sulfuric-		Perchlorate		Ziplock		

Comments:

18I0171

YORK

Analytical Laboratories, Inc.

9/7/2018

SUBCONTRACT Notification, Purchase Order and Chain-of-Custody *Rev. 9/7/18*
 York Project No.: **18I0067** *4*

This information is being sent to inform you that York intends to subcontract certain samples to another licensed laboratory for specific parameters that we cannot perform in-house. The specific parameters that will be subcontracted are detailed below. Do not contact the subcontract laboratory directly. Please contact the YORK project manager for further information.

Note: E-mail lab reports to: York_Lab_Report@yorklab.com Mail/Fax Hard Copies to: York Analytical at the address below

SENDING LABORATORY:

York Analytical Laboratories, Inc.
 120 Research Drive
 Stratford, CT 06615
 Phone: 203.325.1371
 Fax: 203.357.0166
 Contact: York Analytical

RECEIVING LABORATORY:

Con-Test Analytical Laboratory
 39 Spruce Street
 East Long Meadow, MA 01028
 Phone: (413) 525-2332
 Fax: (413) 525-6405

Sample ID: 18I0067-01

Matrix: Water

Date Sampled: 09/04/2018 11:00

Analysis Needed

Date Due

Holding Time Expires

Comments

PFAS in Water by EPA 537

09/18/2018 16:30

09/18/2018 11:00

Containers Supplied:

10_250mL Square Plastic Cool to 4° C (A)

10_250mL Square Plastic Cool to 4° C (B)

York Purchase Order No.: **19395**

Samples from State of: NY

Deliverables required:

Data Pkg DUE:

EDDs required: **NYSDEC EQUIS**

Chain-of-Custody Information

Paul Grace

9/7/2018

Released By York Sample Control

Date

Received By

Date

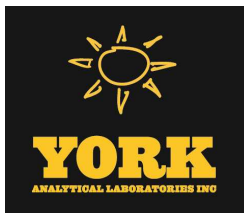
Received By

Date

Received in Subcontract Lab By

Date

Page 1 of 1



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Julia Leung

Report Date: 09/11/2018

Client Project ID: 170502901

York Project (SDG) No.: 18I0093

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 09/11/2018
Client Project ID: 170502901
York Project (SDG) No.: 18I0093

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Julia Leung

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 04, 2018 and listed below. The project was identified as your project: **170502901**.

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>
18I0093-01	TMW18_090418	Water	09/04/2018	09/04/2018
18I0093-02	TMW20_090418	Water	09/04/2018	09/04/2018
18I0093-03	TB05_090418	Water	09/04/2018	09/04/2018

General Notes for York Project (SDG) No.: 18I0093

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: 09/11/2018





Sample Information

Client Sample ID: TMW18_090418

York Sample ID: 1810093-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
1810093	170502901	Water	September 4, 2018 10:00 am	09/04/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
78-93-3	2-Butanone	0.960		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS



Sample Information

Client Sample ID: TMW18_090418

York Sample ID: 18I0093-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0093

170502901

Water

September 4, 2018 10:00 am

09/04/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
67-64-1	Acetone	23.9		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS



Sample Information

Client Sample ID: TMW18_090418

York Sample ID: 18I0093-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0093

170502901

Water

September 4, 2018 10:00 am

09/04/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 01:57	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2018 12:30	09/10/2018 01:57	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	101 %	69-130
2037-26-5	Surrogate: Toluene-d8	97.9 %	81-117



Sample Information

Client Sample ID: TMW18_090418

York Sample ID: 18I0093-01

<u>York Project (SDG) No.</u> 18I0093	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2018 10:00 am	<u>Date Received</u> 09/04/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	Surrogate: <i>p</i> -Bromofluorobenzene	104 %			79-122						

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
91-57-6	2-Methylnaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR



Sample Information

Client Sample ID: TMW18_090418

York Sample ID: 18I0093-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0093

170502901

Water

September 4, 2018 10:00 am

09/04/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
100-02-7	4-Nitrophenol	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
92-87-5	Benzidine	ND		ug/L	5.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
65-85-0	Benzoic acid	ND		ug/L	25.0	50.0	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.00	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR



Sample Information

Client Sample ID: TMW18_090418

York Sample ID: 18I0093-01

<u>York Project (SDG) No.</u> 18I0093	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2018 10:00 am	<u>Date Received</u> 09/04/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
122-39-4	Diphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.00	10.0	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR
110-86-1	Pyridine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:53	SR

Surrogate Recoveries

Result

Acceptance Range

367-12-4	Surrogate: 2-Fluorophenol	24.7 %	19.7-63.1
4165-62-2	Surrogate: Phenol-d5	17.3 %	10.1-41.7
4165-60-0	Surrogate: Nitrobenzene-d5	51.3 %	50.2-113
321-60-8	Surrogate: 2-Fluorobiphenyl	55.2 %	39.9-105
118-79-6	Surrogate: 2,4,6-Tribromophenol	77.9 %	39.3-151
1718-51-0	Surrogate: Terphenyl-d14	77.1 %	30.7-106

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.140		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR
208-96-8	Acenaphthylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR
120-12-7	Anthracene	0.100		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR
1912-24-9	Atrazine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/10/2018 14:03	09/11/2018 09:51	SR
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR



Sample Information

Client Sample ID: TMW18_090418

York Sample ID: 18I0093-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0093

170502901

Water

September 4, 2018 10:00 am

09/04/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR
117-81-7	Bis(2-ethylhexyl)phthalate	2.49		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/10/2018 14:03	09/11/2018 09:51	SR
218-01-9	Chrysene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR
206-44-0	Fluoranthene	0.140		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR
86-73-7	Fluorene	0.110		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/10/2018 14:03	09/11/2018 09:51	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/10/2018 14:03	09/11/2018 09:51	SR
67-72-1	Hexachloroethane	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/10/2018 14:03	09/11/2018 09:51	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR
91-20-3	Naphthalene	0.0600		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR
98-95-3	Nitrobenzene	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/10/2018 14:03	09/11/2018 09:51	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/10/2018 14:03	09/11/2018 09:51	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.250	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/10/2018 14:03	09/11/2018 09:51	SR
85-01-8	Phenanthrene	0.360		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR
129-00-0	Pyrene	0.120		ug/L	0.0500	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/10/2018 14:03	09/11/2018 09:51	SR

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/07/2018 08:22	09/10/2018 21:14	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/07/2018 08:22	09/10/2018 21:14	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/07/2018 08:22	09/10/2018 21:14	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/07/2018 08:22	09/10/2018 21:14	LAB



Sample Information

Client Sample ID: TMW18_090418

York Sample ID: 18I0093-01

York Project (SDG) No.

Client Project ID

Matrix

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18I0093

170502901

Water

September 4, 2018 10:00 am

09/04/2018

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/07/2018 08:22	09/10/2018 21:14	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/07/2018 08:22	09/10/2018 21:14	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/07/2018 08:22	09/10/2018 21:14	LAB
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	09/07/2018 08:22	09/10/2018 21:14	LAB
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	49.0 %	30-120							
2051-24-3	Surrogate: Decachlorobiphenyl	47.3 %	30-120							

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	36.4		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML
7440-39-3	Barium	1.28		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML
7440-70-2	Calcium	273		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML
7440-47-3	Chromium	0.0697		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML
7440-48-4	Cobalt	0.0516		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML
7440-50-8	Copper	0.363		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML
7439-89-6	Iron	62.5	B	mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML
7439-92-1	Lead	9.52		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML
7439-95-4	Magnesium	36.4		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML
7439-96-5	Manganese	3.36		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML
7440-02-0	Nickel	0.0732		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML
7440-09-7	Potassium	23.7		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML



Sample Information

Client Sample ID: TMW18_090418

York Sample ID: 18I0093-01

York Project (SDG) No.

Client Project ID

Matrix

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18I0093

170502901

Water

September 4, 2018 10:00 am

09/04/2018

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
7440-23-5	Sodium	409		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML
7440-62-2	Vanadium	0.154		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	KML
7440-66-6	Zinc	2.15		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:03	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	0.114		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7440-39-3	Barium	0.263		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7440-70-2	Calcium	102		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7440-50-8	Copper	0.00567		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7439-89-6	Iron	0.122		mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7439-95-4	Magnesium	23.9		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7439-96-5	Manganese	0.647		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7440-09-7	Potassium	17.3		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7440-23-5	Sodium	404		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML
7440-66-6	Zinc	ND		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:21	09/11/2018 15:27	KML



Sample Information

Client Sample ID: TMW18_090418

York Sample ID: 18I0093-01

York Project (SDG) No.

Client Project ID

Matrix

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18I0093

170502901

Water

September 4, 2018 10:00 am

09/04/2018

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	0.0153		mg/L	0.00100	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:18	09/11/2018 16:14	KML
7440-38-2	Arsenic	0.0154		mg/L	0.00100	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:18	09/11/2018 16:14	KML
7440-41-7	Beryllium	0.00131		mg/L	0.00100	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:18	09/11/2018 16:14	KML
7440-43-9	Cadmium	0.0127		mg/L	0.00100	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:18	09/11/2018 16:14	KML
7782-49-2	Selenium	0.0237		mg/L	0.00100	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:18	09/11/2018 16:14	KML
7440-28-0	Thallium	ND		mg/L	0.00100	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:18	09/11/2018 16:14	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	0.0148		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:23	09/11/2018 16:32	KML
7440-38-2	Arsenic	0.00610		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:23	09/11/2018 16:32	KML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:23	09/11/2018 16:32	KML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:23	09/11/2018 16:32	KML
7782-49-2	Selenium	0.00151		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:23	09/11/2018 16:32	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:23	09/11/2018 16:32	KML

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	09/10/2018 14:50	09/10/2018 16:33	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	09/11/2018 09:24	09/11/2018 10:22	SY



Sample Information

Client Sample ID: TMW18_090418

York Sample ID: 18I0093-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0093

170502901

Water

September 4, 2018 10:00 am

09/04/2018

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

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: 18540-29-9, Chromium, Hexavalent, ND, mg/L, 0.0100, 1, EPA 7196A, 09/04/2018 20:47, 09/04/2018 21:33, TJD. Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP

Chromium, Hexavalent-Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

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: 18540-29-9, Chromium, Hexavalent, ND, mg/L, 0.0100, 1, EPA 7196A, 09/04/2018 20:48, 09/04/2018 21:31, TJD. Certifications: NELAC-NY10854,CTDOH,NJDEP

Chromium, Trivalent

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: 16065-83-1, * Chromium, Trivalent, ND, mg/L, 0.400, 1, Calculation, 09/11/2018 15:31, 09/11/2018 17:12, AD. Certifications:

Chromium, Trivalent-Dissolved

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: 16065-83-1, * Chromium, Trivalent, ND, mg/L, 0.0100, 1, Calculation, 09/11/2018 15:31, 09/11/2018 17:12, AD. Certifications:

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

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: 57-12-5, Cyanide, total, 0.0998, mg/L, 0.0100, 1, SM 4500 CN C/E, 09/06/2018 10:59, 09/06/2018 16:04, TJM. Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP

Sample Information

Client Sample ID: TMW20_090418

York Sample ID: 18I0093-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0093

170502901

Water

September 4, 2018 11:00 am

09/04/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst



Sample Information

Client Sample ID: TMW20_090418

York Sample ID: 18I0093-02

<u>York Project (SDG) No.</u> 18I0093	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2018 11:00 am	<u>Date Received</u> 09/04/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS



Sample Information

Client Sample ID: TMW20_090418

York Sample ID: 1810093-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1810093

170502901

Water

September 4, 2018 11:00 am

09/04/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	2.00		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS



Sample Information

Client Sample ID: TMW20_090418

York Sample ID: 18I0093-02

<u>York Project (SDG) No.</u> 18I0093	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2018 11:00 am	<u>Date Received</u> 09/04/2018
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Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/10/2018 02:29	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2018 12:30	09/10/2018 02:29	SS

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	Surrogate: 1,2-Dichloroethane-d4	104 %	69-130
2037-26-5	Surrogate: Toluene-d8	97.7 %	81-117
460-00-4	Surrogate: p-Bromofluorobenzene	102 %	79-122



Sample Information

Client Sample ID: TMW20_090418

York Sample ID: 1810093-02

<u>York Project (SDG) No.</u> 1810093	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2018 11:00 am	<u>Date Received</u> 09/04/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH



Sample Information

Client Sample ID: TMW20_090418

York Sample ID: 18I0093-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0093

170502901

Water

September 4, 2018 11:00 am

09/04/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
92-87-5	Benzidine	ND		ug/L	5.13	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.03	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
122-39-4	Diphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.13	10.3	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/07/2018 19:09	KH



Sample Information

Client Sample ID: TMW20_090418

York Sample ID: 18I0093-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0093

170502901

Water

September 4, 2018 11:00 am

09/04/2018

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Includes surrogate recoveries for 2-Fluorophenol, Phenol-d5, Nitrobenzene-d5, 2-Fluorobiphenyl, 2,4,6-Tribromophenol, and Terphenyl-d14.

Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

Table with 12 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various polycyclic aromatic hydrocarbons (PAHs) and their results.



Sample Information

Client Sample ID: TMW20_090418

York Sample ID: 18I0093-02

<u>York Project (SDG) No.</u> 18I0093	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2018 11:00 am	<u>Date Received</u> 09/04/2018
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Semi-Volatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 12:27	SR
206-44-0	Fluoranthene	0.103		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 12:27	SR
86-73-7	Fluorene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 12:27	SR
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 12:27	SR
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 12:27	SR
67-72-1	Hexachloroethane	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 12:27	SR
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 12:27	SR
91-20-3	Naphthalene	ND		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 12:27	SR
98-95-3	Nitrobenzene	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 12:27	SR
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 12:27	SR
87-86-5	Pentachlorophenol	ND		ug/L	0.256	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	09/06/2018 09:40	09/11/2018 12:27	SR
85-01-8	Phenanthrene	0.0513		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 12:27	SR
129-00-0	Pyrene	0.0821		ug/L	0.0513	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/06/2018 09:40	09/11/2018 12:27	SR

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/07/2018 08:22	09/10/2018 21:27	LAB
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/07/2018 08:22	09/10/2018 21:27	LAB
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/07/2018 08:22	09/10/2018 21:27	LAB
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/07/2018 08:22	09/10/2018 21:27	LAB
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/07/2018 08:22	09/10/2018 21:27	LAB
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/07/2018 08:22	09/10/2018 21:27	LAB
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/07/2018 08:22	09/10/2018 21:27	LAB



Sample Information

Client Sample ID: TMW20_090418

York Sample ID: 18I0093-02

<u>York Project (SDG) No.</u> 18I0093	<u>Client Project ID</u> 170502901	<u>Matrix</u> Water	<u>Collection Date/Time</u> September 4, 2018 11:00 am	<u>Date Received</u> 09/04/2018
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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A Certifications:	09/07/2018 08:22	09/10/2018 21:27	LAB
Surrogate Recoveries		Result					Acceptance Range			
877-09-8	Surrogate: Tetrachloro-m-xylene	66.8 %					30-120			
2051-24-3	Surrogate: Decachlorobiphenyl	77.1 %					30-120			

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	6.18		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7440-39-3	Barium	0.255		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7440-70-2	Calcium	146		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7440-47-3	Chromium	0.0135		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7440-50-8	Copper	0.223		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7439-89-6	Iron	4.81	B	mg/L	0.0222	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7439-92-1	Lead	0.651		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7439-95-4	Magnesium	31.1		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7439-96-5	Manganese	0.712		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7440-02-0	Nickel	0.0236		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7440-09-7	Potassium	14.7		mg/L	0.0556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7440-23-5	Sodium	165		mg/L	0.111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7440-62-2	Vanadium	0.0146		mg/L	0.0111	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML
7440-66-6	Zinc	0.975		mg/L	0.0167	1	EPA 6010C Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:14	09/11/2018 15:05	KML



Sample Information

Client Sample ID: TMW20_090418

York Sample ID: 18I0093-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0093

170502901

Water

September 4, 2018 11:00 am

09/04/2018

Metals, Target Analyte, ICP Dissolved

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	Aluminum	ND		mg/L	0.0556	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7440-39-3	Barium	0.0822		mg/L	0.0111	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7440-70-2	Calcium	119		mg/L	0.0556	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7440-48-4	Cobalt	ND		mg/L	0.00556	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7440-50-8	Copper	0.0151		mg/L	0.00556	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7439-89-6	Iron	0.112		mg/L	0.0222	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7439-95-4	Magnesium	29.5		mg/L	0.0556	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7439-96-5	Manganese	0.487		mg/L	0.00556	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7440-02-0	Nickel	ND		mg/L	0.00556	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7440-09-7	Potassium	14.2		mg/L	0.0556	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7440-23-5	Sodium	159		mg/L	0.111	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	KML
7440-66-6	Zinc	0.236		mg/L	0.0167	1	EPA 6010C	09/11/2018 11:21	09/11/2018 15:29	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	0.00479		mg/L	0.00100	1	EPA 6020A	09/11/2018 11:18	09/11/2018 16:18	KML
7440-38-2	Arsenic	0.00621		mg/L	0.00100	1	EPA 6020A	09/11/2018 11:18	09/11/2018 16:18	KML
7440-41-7	Beryllium	ND		mg/L	0.00100	1	EPA 6020A	09/11/2018 11:18	09/11/2018 16:18	KML
7440-43-9	Cadmium	0.00297		mg/L	0.00100	1	EPA 6020A	09/11/2018 11:18	09/11/2018 16:18	KML



Sample Information

Client Sample ID: TMW20_090418

York Sample ID: 18I0093-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0093

170502901

Water

September 4, 2018 11:00 am

09/04/2018

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
7782-49-2	Selenium	0.00368		mg/L	0.00100	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:18	09/11/2018 16:18	KML
7440-28-0	Thallium	ND		mg/L	0.00100	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:18	09/11/2018 16:18	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	0.00197		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:23	09/11/2018 16:45	KML
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:23	09/11/2018 16:45	KML
7440-41-7	Beryllium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:23	09/11/2018 16:45	KML
7440-43-9	Cadmium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:23	09/11/2018 16:45	KML
7782-49-2	Selenium	0.00244		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:23	09/11/2018 16:45	KML
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	09/11/2018 11:23	09/11/2018 16:45	KML

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	09/10/2018 14:50	09/10/2018 16:44	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	09/11/2018 09:24	09/11/2018 10:32	SY

Chromium, Hexavalent

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
18540-29-9	Chromium, Hexavalent	ND		mg/L	0.0100	1	EPA 7196A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	09/04/2018 20:47	09/04/2018 21:33	TJD

Chromium, Hexavalent-Dissolved

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: TMW20_090418

York Sample ID: 18I0093-02

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18I0093, 170502901, Water, September 4, 2018 11:00 am, 09/04/2018

Sample Prepared by Method: Analysis Preparation

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: 18540-29-9 Chromium, Hexavalent, ND, mg/L, 0.0100, 1, EPA 7196A, 09/04/2018 20:48, 09/04/2018 21:31, TJD

Chromium, Trivalent

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: 16065-83-1 * Chromium, Trivalent, ND, mg/L, 0.400, 1, Calculation, 09/11/2018 15:31, 09/11/2018 17:12, AD

Chromium, Trivalent-Dissolved

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: 16065-83-1 * Chromium, Trivalent, ND, mg/L, 0.0100, 1, Calculation, 09/11/2018 15:31, 09/11/2018 17:12, AD

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

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: 57-12-5 Cyanide, total, ND, mg/L, 0.0100, 1, SM 4500 CN C/E, 09/06/2018 10:59, 09/06/2018 16:04, TJM

Sample Information

Client Sample ID: TB05_090418

York Sample ID: 18I0093-03

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 18I0093, 170502901, Water, September 4, 2018 12:30 pm, 09/04/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOD/MDL, LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include 630-20-6, 71-55-6, 79-34-5, 76-13-1, 79-00-5



Sample Information

Client Sample ID: TB05_090418

York Sample ID: 1810093-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1810093

170502901

Water

September 4, 2018 12:30 pm

09/04/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
107-13-1	Acrylonitrile	ND		ug/L	0.200	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS



Sample Information

Client Sample ID: TB05_090418

York Sample ID: 1810093-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1810093

170502901

Water

September 4, 2018 12:30 pm

09/04/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS



Sample Information

Client Sample ID: TB05_090418

York Sample ID: 1810093-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

1810093

170502901

Water

September 4, 2018 12:30 pm

09/04/2018

Volatiles, 8260 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/09/2018 12:30	09/09/2018 22:12	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	09/09/2018 12:30	09/09/2018 22:12	SS

Surrogate Recoveries

Result

Acceptance Range

17060-07-0	Surrogate: 1,2-Dichloroethane-d4	102 %
2037-26-5	Surrogate: Toluene-d8	97.8 %
460-00-4	Surrogate: p-Bromofluorobenzene	105 %

69-130

81-117

79-122



Analytical Batch Summary

Batch ID: BI80058 **Preparation Method:** Analysis Preparation **Prepared By:** TJD

YORK Sample ID	Client Sample ID	Preparation Date
18I0093-01	TMW18_090418	09/04/18
18I0093-02	TMW20_090418	09/04/18
BI80058-BLK1	Blank	09/04/18
BI80058-BS1	LCS	09/04/18
BI80058-DUP1	Duplicate	09/04/18
BI80058-MS1	Matrix Spike	09/04/18

Batch ID: BI80059 **Preparation Method:** Analysis Preparation **Prepared By:** TJD

YORK Sample ID	Client Sample ID	Preparation Date
18I0093-01	TMW18_090418	09/04/18
18I0093-02	TMW20_090418	09/04/18
BI80059-BLK1	Blank	09/04/18
BI80059-BS1	LCS	09/04/18
BI80059-DUP1	Duplicate	09/04/18
BI80059-MS1	Matrix Spike	09/04/18

Batch ID: BI80170 **Preparation Method:** EPA 3510C **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
18I0093-02	TMW20_090418	09/06/18
BI80170-BLK1	Blank	09/06/18
BI80170-BLK2	Blank	09/06/18
BI80170-BS1	LCS	09/06/18
BI80170-BS2	LCS	09/06/18
BI80170-BSD1	LCS Dup	09/06/18

Batch ID: BI80181 **Preparation Method:** Analysis Preparation **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
18I0093-01	TMW18_090418	09/06/18
18I0093-02	TMW20_090418	09/06/18
BI80181-BLK1	Blank	09/06/18
BI80181-BS1	LCS	09/06/18

Batch ID: BI80240 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** KNK

YORK Sample ID	Client Sample ID	Preparation Date
18I0093-01	TMW18_090418	09/07/18
18I0093-02	TMW20_090418	09/07/18
BI80240-BLK1	Blank	09/07/18
BI80240-BLK2	Blank	09/07/18
BI80240-BS1	LCS	09/07/18



BI80240-BS2 LCS 09/07/18
BI80240-BSD1 LCS Dup 09/07/18
BI80240-BSD2 LCS Dup 09/07/18

Batch ID: BI80326 **Preparation Method:** EPA 5030B **Prepared By:** RDS

YORK Sample ID	Client Sample ID	Preparation Date
18I0093-01	TMW18_090418	09/09/18
18I0093-02	TMW20_090418	09/09/18
18I0093-03	TB05_090418	09/09/18
BI80326-BLK1	Blank	09/09/18
BI80326-BS1	LCS	09/09/18
BI80326-BSD1	LCS Dup	09/09/18

Batch ID: BI80341 **Preparation Method:** EPA 3510C **Prepared By:** KNK

YORK Sample ID	Client Sample ID	Preparation Date
18I0093-01	TMW18_090418	09/10/18
BI80341-BLK1	Blank	09/10/18
BI80341-BLK2	Blank	09/10/18
BI80341-BS1	LCS	09/10/18
BI80341-BS2	LCS	09/10/18

Batch ID: BI80385 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18I0093-01	TMW18_090418	09/10/18
18I0093-02	TMW20_090418	09/10/18
BI80385-BLK1	Blank	09/10/18
BI80385-DUP1	Duplicate	09/10/18
BI80385-MS1	Matrix Spike	09/10/18
BI80385-SRM1	Reference	09/10/18

Batch ID: BI80415 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
18I0093-01	TMW18_090418	09/11/18
18I0093-02	TMW20_090418	09/11/18
BI80415-BLK1	Blank	09/11/18
BI80415-SRM1	Reference	09/11/18

Batch ID: BI80423 **Preparation Method:** EPA 3015A **Prepared By:** BML

YORK Sample ID	Client Sample ID	Preparation Date
18I0093-01	TMW18_090418	09/11/18
18I0093-02	TMW20_090418	09/11/18
BI80423-BLK1	Blank	09/11/18
BI80423-BS1	LCS	09/11/18



Batch ID: BI80424

Preparation Method: EPA 3015A

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18I0093-01	TMW18_090418	09/11/18
18I0093-02	TMW20_090418	09/11/18
BI80424-BLK1	Blank	09/11/18
BI80424-BS1	LCS	09/11/18
BI80424-DUP1	Duplicate	09/11/18
BI80424-MS1	Matrix Spike	09/11/18

Batch ID: BI80425

Preparation Method: EPA 3015A

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18I0093-01	TMW18_090418	09/11/18
18I0093-02	TMW20_090418	09/11/18
BI80425-BLK1	Blank	09/11/18
BI80425-BS1	LCS	09/11/18
BI80425-DUP1	Duplicate	09/11/18
BI80425-MS1	Matrix Spike	09/11/18

Batch ID: BI80427

Preparation Method: EPA 3015A

Prepared By: BML

YORK Sample ID	Client Sample ID	Preparation Date
18I0093-01	TMW18_090418	09/11/18
18I0093-02	TMW20_090418	09/11/18
BI80427-BLK1	Blank	09/11/18
BI80427-BS1	LCS	09/11/18
BI80427-DUP1	Duplicate	09/11/18
BI80427-MS1	Matrix Spike	09/11/18

Batch ID: BI80455

Preparation Method: *** DEFAULT PREP ***

Prepared By: AD

YORK Sample ID	Client Sample ID	Preparation Date
18I0093-01	TMW18_090418	09/11/18
18I0093-02	TMW20_090418	09/11/18



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80326 - EPA 5030B

Blank (BI80326-BLK1)

Prepared & Analyzed: 09/09/2018

1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	2.00	"								
Acrylonitrile	ND	2.00	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								



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 BI80326 - EPA 5030B

Blank (BI80326-BLK1)

Prepared & Analyzed: 09/09/2018

n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	2.50	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								

<i>Surrogate: 1,2-Dichloroethane-d4</i>	10.2		"	10.0		102	70-130				
<i>Surrogate: Toluene-d8</i>	9.63		"	10.0		96.3	81-117				
<i>Surrogate: p-Bromofluorobenzene</i>	10.4		"	10.0		104	79-122				

LCS (BI80326-BS1)

Prepared & Analyzed: 09/09/2018

1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	10.8		"	10.0		108	78-130				
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0		123	70-130				
1,1,2-Trichloroethane	9.94		"	10.0		99.4	82-123				
1,1-Dichloroethane	10.7		"	10.0		107	82-129				
1,1-Dichloroethylene	11.1		"	10.0		111	70-130				
1,2,3-Trichlorobenzene	10.6		"	10.0		106	76-130				
1,2,3-Trichloropropane	9.74		"	10.0		97.4	77-128				
1,2,4-Trichlorobenzene	9.67		"	10.0		96.7	76-130				
1,2,4-Trimethylbenzene	9.89		"	10.0		98.9	82-132				
1,2-Dibromo-3-chloropropane	9.97		"	10.0		99.7	45-147				
1,2-Dibromoethane	10.0		"	10.0		100	83-124				
1,2-Dichlorobenzene	9.55		"	10.0		95.5	79-123				
1,2-Dichloroethane	10.9		"	10.0		109	73-130				
1,2-Dichloropropane	9.47		"	10.0		94.7	78-126				
1,3,5-Trimethylbenzene	9.82		"	10.0		98.2	80-131				
1,3-Dichlorobenzene	9.65		"	10.0		96.5	86-122				
1,4-Dichlorobenzene	9.54		"	10.0		95.4	85-124				
1,4-Dioxane	190		"	210		90.5	40-160				
2-Butanone	11.1		"	10.0		111	49-152				
2-Hexanone	11.9		"	10.0		119	51-146				
4-Methyl-2-pentanone	11.0		"	10.0		110	57-145				
Acetone	12.5		"	10.0		125	40-150				
Acrolein	12.0		"	10.0		120	10-153				
Acrylonitrile	10.4		"	10.0		104	51-150				
Benzene	10.7		"	10.0		107	85-126				
Bromochloromethane	11.3		"	10.0		113	77-128				
Bromodichloromethane	9.55		"	10.0		95.5	79-128				



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 BI80326 - EPA 5030B

LCS (BI80326-BS1)

Prepared & Analyzed: 09/09/2018

Bromoform	9.84		ug/L	10.0		98.4	78-130			
Bromomethane	8.77		"	10.0		87.7	43-160			
Carbon disulfide	12.8		"	10.0		128	68-146			
Carbon tetrachloride	10.9		"	10.0		109	77-130			
Chlorobenzene	9.94		"	10.0		99.4	88-120			
Chloroethane	14.9		"	10.0		149	65-136	High Bias		
Chloroform	10.6		"	10.0		106	82-128			
Chloromethane	13.1		"	10.0		131	43-155			
cis-1,2-Dichloroethylene	10.5		"	10.0		105	83-129			
cis-1,3-Dichloropropylene	9.92		"	10.0		99.2	80-130			
Cyclohexane	11.9		"	10.0		119	70-130			
Dibromochloromethane	10.2		"	10.0		102	80-130			
Dibromomethane	9.66		"	10.0		96.6	72-134			
Dichlorodifluoromethane	18.9		"	10.0		189	44-144	High Bias		
Ethyl Benzene	10.4		"	10.0		104	80-130			
Hexachlorobutadiene	9.19		"	10.0		91.9	67-146			
Isopropylbenzene	9.40		"	10.0		94.0	76-130			
Methyl acetate	11.8		"	10.0		118	70-130			
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	76-130			
Methylcyclohexane	10.6		"	10.0		106	72-130			
Methylene chloride	11.7		"	10.0		117	70-130			
n-Butylbenzene	10.3		"	10.0		103	79-132			
n-Propylbenzene	10.0		"	10.0		100	78-133			
o-Xylene	10.4		"	10.0		104	78-130			
p- & m- Xylenes	17.6		"	20.0		88.0	77-130			
p-Isopropyltoluene	10.0		"	10.0		100	81-136			
sec-Butylbenzene	10.6		"	10.0		106	79-137			
Styrene	10.3		"	10.0		103	70-130			
tert-Butyl alcohol (TBA)	51.7		"	50.0		103	25-162			
tert-Butylbenzene	9.82		"	10.0		98.2	77-138			
Tetrachloroethylene	7.88		"	10.0		78.8	82-130	Low Bias		
Toluene	10.0		"	10.0		100	80-127			
trans-1,2-Dichloroethylene	10.7		"	10.0		107	80-130			
trans-1,3-Dichloropropylene	9.91		"	10.0		99.1	78-130			
Trichloroethylene	9.62		"	10.0		96.2	82-128			
Trichlorofluoromethane	16.1		"	10.0		161	67-139	High Bias		
Vinyl Chloride	14.0		"	10.0		140	70-130	High Bias		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>10.1</i>		<i>"</i>	<i>10.0</i>		<i>101</i>	<i>70-130</i>			
<i>Surrogate: Toluene-d8</i>	<i>9.62</i>		<i>"</i>	<i>10.0</i>		<i>96.2</i>	<i>81-117</i>			
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.64</i>		<i>"</i>	<i>10.0</i>		<i>96.4</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 BI80326 - EPA 5030B											
LCS Dup (BI80326-BSD1)											
Prepared & Analyzed: 09/09/2018											
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		0.0982	30	
1,1,1-Trichloroethane	10.6		"	10.0		106	78-130		1.59	20	
1,1,2,2-Tetrachloroethane	9.89		"	10.0		98.9	76-129		3.77	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.3		"	10.0		123	70-130		0.406	20	
1,1,2-Trichloroethane	9.41		"	10.0		94.1	82-123		5.48	20	
1,1-Dichloroethane	10.3		"	10.0		103	82-129		3.81	20	
1,1-Dichloroethylene	11.2		"	10.0		112	70-130		0.269	20	
1,2,3-Trichlorobenzene	9.80		"	10.0		98.0	76-130		8.03	20	
1,2,3-Trichloropropane	9.65		"	10.0		96.5	77-128		0.928	30	
1,2,4-Trichlorobenzene	9.25		"	10.0		92.5	76-130		4.44	20	
1,2,4-Trimethylbenzene	9.85		"	10.0		98.5	82-132		0.405	20	
1,2-Dibromo-3-chloropropane	9.55		"	10.0		95.5	45-147		4.30	20	
1,2-Dibromoethane	9.82		"	10.0		98.2	83-124		2.02	20	
1,2-Dichlorobenzene	9.63		"	10.0		96.3	79-123		0.834	20	
1,2-Dichloroethane	10.4		"	10.0		104	73-130		4.98	20	
1,2-Dichloropropane	9.59		"	10.0		95.9	78-126		1.26	20	
1,3,5-Trimethylbenzene	9.80		"	10.0		98.0	80-131		0.204	30	
1,3-Dichlorobenzene	9.49		"	10.0		94.9	86-122		1.67	20	
1,4-Dichlorobenzene	9.60		"	10.0		96.0	85-124		0.627	20	
1,4-Dioxane	152		"	210		72.4	40-160		22.3	20	Non-dir.
2-Butanone	10.7		"	10.0		107	49-152		3.21	20	
2-Hexanone	11.7		"	10.0		117	51-146		2.12	20	
4-Methyl-2-pentanone	10.3		"	10.0		103	57-145		6.69	20	
Acetone	11.6		"	10.0		116	40-150		7.63	20	
Acrolein	10.4		"	10.0		104	10-153		13.9	30	
Acrylonitrile	10.1		"	10.0		101	51-150		3.51	30	
Benzene	10.4		"	10.0		104	85-126		2.94	20	
Bromochloromethane	10.7		"	10.0		107	77-128		5.37	20	
Bromodichloromethane	9.47		"	10.0		94.7	79-128		0.841	20	
Bromoform	9.62		"	10.0		96.2	78-130		2.26	20	
Bromomethane	11.9		"	10.0		119	43-160		30.1	20	Non-dir.
Carbon disulfide	12.5		"	10.0		125	68-146		1.98	20	
Carbon tetrachloride	10.8		"	10.0		108	77-130		0.646	20	
Chlorobenzene	10.1		"	10.0		101	88-120		1.20	20	
Chloroethane	15.1		"	10.0		151	65-136	High Bias	1.40	20	
Chloroform	10.2		"	10.0		102	82-128		4.05	20	
Chloromethane	10.5		"	10.0		105	43-155		21.6	20	Non-dir.
cis-1,2-Dichloroethylene	10.2		"	10.0		102	83-129		2.41	20	
cis-1,3-Dichloropropylene	9.92		"	10.0		99.2	80-130		0.00	20	
Cyclohexane	11.9		"	10.0		119	70-130		0.420	20	
Dibromochloromethane	10.2		"	10.0		102	80-130		0.00	20	
Dibromomethane	9.79		"	10.0		97.9	72-134		1.34	30	
Dichlorodifluoromethane	18.2		"	10.0		182	44-144	High Bias	3.77	20	
Ethyl Benzene	10.6		"	10.0		106	80-130		1.52	20	
Hexachlorobutadiene	9.21		"	10.0		92.1	67-146		0.217	30	
Isopropylbenzene	9.64		"	10.0		96.4	76-130		2.52	20	
Methyl acetate	10.6		"	10.0		106	70-130		10.9	20	
Methyl tert-butyl ether (MTBE)	10.4		"	10.0		104	76-130		4.49	20	
Methylcyclohexane	10.8		"	10.0		108	72-130		1.77	20	
Methylene chloride	11.4		"	10.0		114	70-130		2.86	20	
n-Butylbenzene	10.3		"	10.0		103	79-132		0.291	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 BI80326 - EPA 5030B

LCS Dup (BI80326-BSD1)

Prepared & Analyzed: 09/09/2018

n-Propylbenzene	10.1		ug/L	10.0		101	78-133		0.995	30	
o-Xylene	10.6		"	10.0		106	78-130		1.72	20	
p- & m- Xylenes	17.9		"	20.0		89.7	77-130		1.97	20	
p-Isopropyltoluene	10.0		"	10.0		100	81-136		0.299	30	
sec-Butylbenzene	10.7		"	10.0		107	79-137		0.753	30	
Styrene	10.3		"	10.0		103	70-130		0.0970	20	
tert-Butyl alcohol (TBA)	37.9		"	50.0		75.8	25-162		30.7	30	Non-dir.
tert-Butylbenzene	9.91		"	10.0		99.1	77-138		0.912	30	
Tetrachloroethylene	7.90		"	10.0		79.0	82-130	Low Bias	0.253	20	
Toluene	10.0		"	10.0		100	80-127		0.300	20	
trans-1,2-Dichloroethylene	10.3		"	10.0		103	80-130		3.80	20	
trans-1,3-Dichloropropylene	9.64		"	10.0		96.4	78-130		2.76	20	
Trichloroethylene	9.71		"	10.0		97.1	82-128		0.931	20	
Trichlorofluoromethane	14.1		"	10.0		141	67-139	High Bias	12.7	20	
Vinyl Chloride	13.1		"	10.0		131	70-130	High Bias	6.66	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>9.56</i>		<i>"</i>	<i>10.0</i>		<i>95.6</i>	<i>70-130</i>				
<i>Surrogate: Toluene-d8</i>	<i>9.79</i>		<i>"</i>	<i>10.0</i>		<i>97.9</i>	<i>81-117</i>				
<i>Surrogate: p-Bromofluorobenzene</i>	<i>9.77</i>		<i>"</i>	<i>10.0</i>		<i>97.7</i>	<i>79-122</i>				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80170 - EPA 3510C

Blank (BI80170-BLK1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80170 - EPA 3510C

Blank (BI80170-BLK1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

Surrogate: 2-Fluorophenol	15.2		ug/L	50.0		30.4	19.7-63.1			
Surrogate: Phenol-d5	8.20		"	50.0		16.4	10.1-41.7			
Surrogate: Nitrobenzene-d5	15.0		"	25.0		60.1	50.2-113			
Surrogate: 2-Fluorobiphenyl	17.1		"	25.0		68.3	39.9-105			
Surrogate: 2,4,6-Tribromophenol	39.7		"	50.0		79.4	39.3-151			
Surrogate: Terphenyl-d14	24.5		"	25.0		98.2	30.7-106			

Blank (BI80170-BLK2)

Prepared: 09/06/2018 Analyzed: 09/07/2018

Acenaphthene	ND	0.0500	ug/L							
Acenaphthylene	ND	0.0500	"							
Anthracene	ND	0.0500	"							
Atrazine	ND	0.500	"							
Benzo(a)anthracene	ND	0.0500	"							
Benzo(a)pyrene	ND	0.0500	"							
Benzo(b)fluoranthene	ND	0.0500	"							
Benzo(g,h,i)perylene	ND	0.0500	"							
Benzo(k)fluoranthene	ND	0.0500	"							
Bis(2-ethylhexyl)phthalate	ND	0.500	"							
Chrysene	ND	0.0500	"							
Dibenzo(a,h)anthracene	ND	0.0500	"							
Fluoranthene	ND	0.0500	"							
Fluorene	ND	0.0500	"							
Hexachlorobenzene	ND	0.0200	"							
Hexachlorobutadiene	ND	0.500	"							
Hexachloroethane	ND	0.500	"							
Indeno(1,2,3-cd)pyrene	ND	0.0500	"							
Naphthalene	ND	0.0500	"							
Nitrobenzene	ND	0.250	"							
N-Nitrosodimethylamine	ND	0.500	"							
Pentachlorophenol	ND	0.250	"							
Phenanthrene	ND	0.0500	"							
Pyrene	ND	0.0500	"							



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80170 - EPA 3510C											
LCS (BI80170-BS1)											
Prepared: 09/06/2018 Analyzed: 09/07/2018											
1,1-Biphenyl	16.4	5.00	ug/L	25.0		65.7	33-95				
1,2,4,5-Tetrachlorobenzene	16.6	5.00	"	25.0		66.5	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	17.6	5.00	"	25.0		70.4	16-141				
2,3,4,6-Tetrachlorophenol	50.8	5.00	"	25.0		203	30-130	High Bias			
2,4,5-Trichlorophenol	19.7	5.00	"	25.0		78.9	32-114				
2,4,6-Trichlorophenol	18.6	5.00	"	25.0		74.2	35-118				
2,4-Dichlorophenol	17.9	5.00	"	25.0		71.5	25-116				
2,4-Dimethylphenol	16.7	5.00	"	25.0		66.8	15-116				
2,4-Dinitrophenol	27.1	5.00	"	25.0		109	10-170				
2,4-Dinitrotoluene	21.4	5.00	"	25.0		85.7	41-128				
2,6-Dinitrotoluene	19.8	5.00	"	25.0		79.0	45-116				
2-Chloronaphthalene	15.5	5.00	"	25.0		62.0	33-112				
2-Chlorophenol	13.4	5.00	"	25.0		53.5	15-120				
2-Methylnaphthalene	17.7	5.00	"	25.0		70.9	24-118				
2-Methylphenol	9.96	5.00	"	25.0		39.8	10-110				
2-Nitroaniline	14.9	5.00	"	25.0		59.6	34-129				
2-Nitrophenol	16.4	5.00	"	25.0		65.5	28-118				
3- & 4-Methylphenols	9.00	5.00	"	25.0		36.0	10-107				
3,3-Dichlorobenzidine	34.0	5.00	"	25.0		136	15-187				
3-Nitroaniline	16.3	5.00	"	25.0		65.1	24-134				
4,6-Dinitro-2-methylphenol	24.9	5.00	"	25.0		99.5	10-153				
4-Bromophenyl phenyl ether	18.6	5.00	"	25.0		74.6	34-120				
4-Chloro-3-methylphenol	18.1	5.00	"	25.0		72.4	20-120				
4-Chloroaniline	11.1	5.00	"	25.0		44.3	10-147				
4-Chlorophenyl phenyl ether	21.9	5.00	"	25.0		87.5	27-121				
4-Nitroaniline	13.9	5.00	"	25.0		55.6	13-134				
4-Nitrophenol	9.81	5.00	"	25.0		39.2	10-131				
Acetophenone	15.9	5.00	"	25.0		63.8	25-110				
Aniline	5.52	5.00	"	25.0		22.1	10-117				
Benzaldehyde	14.7	5.00	"	25.0		58.8	29-117				
Benzoic acid	2.72	50.0	"	25.2		10.8	30-130	Low Bias			
Benzyl alcohol	9.68	5.00	"	25.0		38.7	10-117				
Benzyl butyl phthalate	23.8	5.00	"	25.0		95.3	29-133				
Bis(2-chloroethoxy)methane	14.3	5.00	"	25.0		57.0	10-154				
Bis(2-chloroethyl)ether	12.0	5.00	"	25.0		47.8	17-125				
Bis(2-chloroisopropyl)ether	11.0	5.00	"	25.0		43.9	10-139				
Caprolactam	2.89	5.00	"	25.0		11.6	10-137				
Carbazole	22.7	5.00	"	25.0		90.8	42-126				
Dibenzofuran	17.2	5.00	"	25.0		68.9	36-113				
Diethyl phthalate	22.1	5.00	"	25.0		88.5	38-115				
Dimethyl phthalate	20.4	5.00	"	25.0		81.5	38-129				
Di-n-butyl phthalate	20.4	5.00	"	25.0		81.4	31-120				
Di-n-octyl phthalate	23.1	5.00	"	25.0		92.3	21-149				
Diphenylamine	23.0	5.00	"	25.0		91.8	40-140				
Hexachlorocyclopentadiene	13.4	10.0	"	25.0		53.7	10-130				
Isophorone	15.6	5.00	"	25.0		62.6	25-127				
N-nitroso-di-n-propylamine	13.9	5.00	"	25.0		55.6	26-122				
N-Nitrosodiphenylamine	23.3	5.00	"	25.0		93.2	23-149				
Phenol	4.68	5.00	"	25.0		18.7	10-110				
Pyridine	12.5	5.00	"	35.0		35.8	10-90				
Surrogate: 2-Fluorophenol	15.9		"	50.0		31.8	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80170 - EPA 3510C

LCS (BI80170-BS1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

Surrogate: Phenol-d5	9.02		ug/L	50.0		18.0	10.1-41.7				
Surrogate: Nitrobenzene-d5	16.2		"	25.0		64.9	50.2-113				
Surrogate: 2-Fluorobiphenyl	20.7		"	25.0		82.6	39.9-105				
Surrogate: 2,4,6-Tribromophenol	50.3		"	50.0		101	39.3-151				
Surrogate: Terphenyl-d14	27.2		"	25.0		109	30.7-106				

LCS (BI80170-BS2)

Prepared: 09/06/2018 Analyzed: 09/07/2018

Acenaphthene	0.780	0.0500	ug/L	1.00		78.0	25-116				
Acenaphthylene	0.800	0.0500	"	1.00		80.0	26-116				
Anthracene	0.910	0.0500	"	1.00		91.0	25-123				
Benzo(a)anthracene	1.01	0.0500	"	1.00		101	33-125				
Benzo(a)pyrene	1.05	0.0500	"	1.00		105	32-132				
Benzo(b)fluoranthene	1.06	0.0500	"	1.00		106	22-137				
Benzo(g,h,i)perylene	1.10	0.0500	"	1.00		110	10-138				
Benzo(k)fluoranthene	1.01	0.0500	"	1.00		101	20-137				
Bis(2-ethylhexyl)phthalate	0.860	0.500	"	1.00		86.0	10-189				
Chrysene	0.940	0.0500	"	1.00		94.0	32-124				
Dibenzo(a,h)anthracene	1.09	0.0500	"	1.00		109	16-133				
Fluoranthene	1.07	0.0500	"	1.00		107	32-121				
Fluorene	0.890	0.0500	"	1.00		89.0	28-118				
Hexachlorobenzene	0.690	0.0200	"	1.00		69.0	23-124				
Hexachlorobutadiene	0.610	0.500	"	1.00		61.0	15-123				
Hexachloroethane	0.600	0.500	"	1.00		60.0	18-115				
Indeno(1,2,3-cd)pyrene	1.09	0.0500	"	1.00		109	15-135				
Naphthalene	0.740	0.0500	"	1.00		74.0	18-120				
Nitrobenzene	0.950	0.250	"	1.00		95.0	21-121				
N-Nitrosodimethylamine	0.190	0.500	"	1.00		19.0	10-124				
Pentachlorophenol	1.84	0.250	"	1.00		184	10-156	High Bias			
Phenanthrene	0.950	0.0500	"	1.00		95.0	24-127				
Pyrene	0.980	0.0500	"	1.00		98.0	31-132				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80170 - EPA 3510C											
LCS Dup (BI80170-BSD1)											
							Prepared: 09/06/2018 Analyzed: 09/07/2018				
1,1-Biphenyl	17.3	5.00	ug/L	25.0		69.3	33-95		5.39	20	
1,2,4,5-Tetrachlorobenzene	16.0	5.00	"	25.0		63.9	26-120		3.93	20	
1,2-Diphenylhydrazine (as Azobenzene)	15.6	5.00	"	25.0		62.6	16-141		11.8	20	
2,3,4,6-Tetrachlorophenol	50.5	5.00	"	25.0		202	30-130	High Bias	0.651	20	
2,4,5-Trichlorophenol	20.1	5.00	"	25.0		80.3	32-114		1.76	20	
2,4,6-Trichlorophenol	18.7	5.00	"	25.0		74.8	35-118		0.751	20	
2,4-Dichlorophenol	17.3	5.00	"	25.0		69.2	25-116		3.30	20	
2,4-Dimethylphenol	14.9	5.00	"	25.0		59.6	15-116		11.5	20	
2,4-Dinitrophenol	29.6	5.00	"	25.0		118	10-170		8.74	20	
2,4-Dinitrotoluene	21.4	5.00	"	25.0		85.8	41-128		0.0467	20	
2,6-Dinitrotoluene	20.3	5.00	"	25.0		81.3	45-116		2.85	20	
2-Chloronaphthalene	17.1	5.00	"	25.0		68.4	33-112		9.69	20	
2-Chlorophenol	14.3	5.00	"	25.0		57.3	15-120		6.79	20	
2-Methylnaphthalene	17.0	5.00	"	25.0		67.9	24-118		4.32	20	
2-Methylphenol	10.7	5.00	"	25.0		42.8	10-110		7.07	20	
2-Nitroaniline	15.2	5.00	"	25.0		60.7	34-129		1.86	20	
2-Nitrophenol	14.4	5.00	"	25.0		57.5	28-118		13.0	20	
3- & 4-Methylphenols	9.03	5.00	"	25.0		36.1	10-107		0.333	20	
3,3-Dichlorobenzidine	27.3	5.00	"	25.0		109	15-187		21.9	20	Non-dir.
3-Nitroaniline	15.4	5.00	"	25.0		61.8	24-134		5.23	20	
4,6-Dinitro-2-methylphenol	24.3	5.00	"	25.0		97.3	10-153		2.24	20	
4-Bromophenyl phenyl ether	17.5	5.00	"	25.0		70.0	34-120		6.42	20	
4-Chloro-3-methylphenol	16.6	5.00	"	25.0		66.2	20-120		8.89	20	
4-Chloroaniline	11.0	5.00	"	25.0		44.0	10-147		0.634	20	
4-Chlorophenyl phenyl ether	20.6	5.00	"	25.0		82.2	27-121		6.27	20	
4-Nitroaniline	13.3	5.00	"	25.0		53.1	13-134		4.56	20	
4-Nitrophenol	7.19	5.00	"	25.0		28.8	10-131		30.8	20	Non-dir.
Acetophenone	15.4	5.00	"	25.0		61.5	25-110		3.58	20	
Aniline	5.77	5.00	"	25.0		23.1	10-117		4.43	20	
Benzaldehyde	14.5	5.00	"	25.0		58.1	29-117		1.23	20	
Benzoic acid	4.17	50.0	"	25.2		16.5	30-130	Low Bias	42.1	20	Non-dir.
Benzyl alcohol	9.57	5.00	"	25.0		38.3	10-117		1.14	20	
Benzyl butyl phthalate	21.1	5.00	"	25.0		84.2	29-133		12.3	20	
Bis(2-chloroethoxy)methane	12.9	5.00	"	25.0		51.7	10-154		9.78	20	
Bis(2-chloroethyl)ether	11.8	5.00	"	25.0		47.1	17-125		1.52	20	
Bis(2-chloroisopropyl)ether	11.7	5.00	"	25.0		46.7	10-139		6.27	20	
Caprolactam	2.68	5.00	"	25.0		10.7	10-137		7.54	20	
Carbazole	21.0	5.00	"	25.0		84.0	42-126		7.83	20	
Dibenzofuran	17.1	5.00	"	25.0		68.5	36-113		0.640	20	
Diethyl phthalate	21.7	5.00	"	25.0		86.9	38-115		1.82	20	
Dimethyl phthalate	18.9	5.00	"	25.0		75.8	38-129		7.28	20	
Di-n-butyl phthalate	19.4	5.00	"	25.0		77.4	31-120		5.04	20	
Di-n-octyl phthalate	20.7	5.00	"	25.0		82.8	21-149		10.9	20	
Diphenylamine	20.5	5.00	"	25.0		82.1	40-140		11.2	20	
Hexachlorocyclopentadiene	13.1	10.0	"	25.0		52.4	10-130		2.41	20	
Isophorone	14.1	5.00	"	25.0		56.4	25-127		10.3	20	
N-nitroso-di-n-propylamine	14.0	5.00	"	25.0		56.2	26-122		0.930	20	
N-Nitrosodiphenylamine	21.0	5.00	"	25.0		84.2	23-149		10.2	20	
Phenol	4.30	5.00	"	25.0		17.2	10-110		8.46	20	
Pyridine	10.5	5.00	"	35.0		29.9	10-90		17.9	20	
Surrogate: 2-Fluorophenol	16.8		"	50.0		33.7	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80170 - EPA 3510C

LCS Dup (BI80170-BSD1)

Prepared: 09/06/2018 Analyzed: 09/07/2018

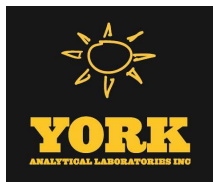
Surrogate: Phenol-d5	9.22		ug/L	50.0		18.4	10.1-41.7				
Surrogate: Nitrobenzene-d5	16.2		"	25.0		64.7	50.2-113				
Surrogate: 2-Fluorobiphenyl	21.6		"	25.0		86.3	39.9-105				
Surrogate: 2,4,6-Tribromophenol	45.7		"	50.0		91.4	39.3-151				
Surrogate: Terphenyl-d14	25.5		"	25.0		102	30.7-106				

Batch BI80341 - EPA 3510C

Blank (BI80341-BLK1)

Prepared: 09/10/2018 Analyzed: 09/11/2018

1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80341 - EPA 3510C

Blank (BI80341-BLK1)

Prepared: 09/10/2018 Analyzed: 09/11/2018

Di-n-butyl phthalate	ND	5.00	ug/L								
Di-n-octyl phthalate	ND	5.00	"								
Diphenylamine	ND	5.00	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	ND	5.00	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Pyridine	ND	5.00	"								
Surrogate: 2-Fluorophenol	15.5		"	50.0		30.9	19.7-63.1				
Surrogate: Phenol-d5	9.58		"	50.0		19.2	10.1-41.7				
Surrogate: Nitrobenzene-d5	15.5		"	25.0		62.1	50.2-113				
Surrogate: 2-Fluorobiphenyl	15.3		"	25.0		61.3	39.9-105				
Surrogate: 2,4,6-Tribromophenol	40.5		"	50.0		81.1	39.3-151				
Surrogate: Terphenyl-d14	22.7		"	25.0		90.8	30.7-106				

Blank (BI80341-BLK2)

Prepared: 09/10/2018 Analyzed: 09/11/2018

Acenaphthene	ND	0.0500	ug/L								
Acenaphthylene	ND	0.0500	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Pyrene	ND	0.0500	"								



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80341 - EPA 3510C

LCS (BI80341-BS1)

Prepared: 09/10/2018 Analyzed: 09/11/2018

1,1-Biphenyl	15.0	5.00	ug/L	25.0		60.2	33-95				
1,2,4,5-Tetrachlorobenzene	16.1	5.00	"	25.0		64.5	26-120				
1,2-Diphenylhydrazine (as Azobenzene)	15.8	5.00	"	25.0		63.2	16-141				
2,3,4,6-Tetrachlorophenol	41.0	5.00	"	25.0		164	30-130	High Bias			
2,4,5-Trichlorophenol	17.6	5.00	"	25.0		70.4	32-114				
2,4,6-Trichlorophenol	18.0	5.00	"	25.0		71.8	35-118				
2,4-Dichlorophenol	17.6	5.00	"	25.0		70.2	25-116				
2,4-Dimethylphenol	17.4	5.00	"	25.0		69.5	15-116				
2,4-Dinitrophenol	22.3	5.00	"	25.0		89.2	10-170				
2,4-Dinitrotoluene	18.5	5.00	"	25.0		74.1	41-128				
2,6-Dinitrotoluene	20.6	5.00	"	25.0		82.6	45-116				
2-Chloronaphthalene	15.1	5.00	"	25.0		60.3	33-112				
2-Chlorophenol	14.4	5.00	"	25.0		57.7	15-120				
2-Methylnaphthalene	17.8	5.00	"	25.0		71.0	24-118				
2-Methylphenol	12.7	5.00	"	25.0		50.9	10-110				
2-Nitroaniline	19.2	5.00	"	25.0		76.9	34-129				
2-Nitrophenol	17.6	5.00	"	25.0		70.5	28-118				
3- & 4-Methylphenols	10.4	5.00	"	25.0		41.7	10-107				
3,3-Dichlorobenzidine	19.7	5.00	"	25.0		79.0	15-187				
3-Nitroaniline	18.3	5.00	"	25.0		73.1	24-134				
4,6-Dinitro-2-methylphenol	25.5	5.00	"	25.0		102	10-153				
4-Bromophenyl phenyl ether	17.5	5.00	"	25.0		70.0	34-120				
4-Chloro-3-methylphenol	17.6	5.00	"	25.0		70.6	20-120				
4-Chloroaniline	14.6	5.00	"	25.0		58.3	10-147				
4-Chlorophenyl phenyl ether	16.8	5.00	"	25.0		67.4	27-121				
4-Nitroaniline	19.0	5.00	"	25.0		75.9	13-134				
4-Nitrophenol	8.32	5.00	"	25.0		33.3	10-131				
Acetophenone	14.4	5.00	"	25.0		57.8	25-110				
Aniline	9.15	5.00	"	25.0		36.6	10-117				
Benzaldehyde	15.4	5.00	"	25.0		61.5	29-117				
Benzoic acid	2.62	50.0	"	25.2		10.4	30-130	Low Bias			
Benzyl alcohol	13.8	5.00	"	25.0		55.1	10-117				
Benzyl butyl phthalate	19.2	5.00	"	25.0		76.8	29-133				
Bis(2-chloroethoxy)methane	16.4	5.00	"	25.0		65.6	10-154				
Bis(2-chloroethyl)ether	15.9	5.00	"	25.0		63.4	17-125				
Bis(2-chloroisopropyl)ether	16.0	5.00	"	25.0		64.1	10-139				
Caprolactam	4.79	5.00	"	25.0		19.2	10-137				
Carbazole	17.9	5.00	"	25.0		71.5	42-126				
Dibenzofuran	17.0	5.00	"	25.0		67.8	36-113				
Diethyl phthalate	17.4	5.00	"	25.0		69.8	38-115				
Dimethyl phthalate	15.9	5.00	"	25.0		63.6	38-129				
Di-n-butyl phthalate	18.0	5.00	"	25.0		72.2	31-120				
Di-n-octyl phthalate	23.3	5.00	"	25.0		93.2	21-149				
Diphenylamine	20.4	5.00	"	25.0		81.6	40-140				
Hexachlorocyclopentadiene	14.2	10.0	"	25.0		56.8	10-130				
Isophorone	16.6	5.00	"	25.0		66.5	25-127				
N-nitroso-di-n-propylamine	14.8	5.00	"	25.0		59.1	26-122				
N-Nitrosodiphenylamine	20.2	5.00	"	25.0		80.9	23-149				
Phenol	5.38	5.00	"	25.0		21.5	10-110				
Pyridine	26.1	5.00	"	35.0		74.5	10-90				
Surrogate: 2-Fluorophenol	16.9		"	50.0		33.7	19.7-63.1				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80341 - EPA 3510C

LCS (BI80341-BS1)

Prepared: 09/10/2018 Analyzed: 09/11/2018

Surrogate: Phenol-d5	10.6		ug/L	50.0		21.2	10.1-41.7				
Surrogate: Nitrobenzene-d5	16.6		"	25.0		66.5	50.2-113				
Surrogate: 2-Fluorobiphenyl	16.7		"	25.0		66.6	39.9-105				
Surrogate: 2,4,6-Tribromophenol	42.7		"	50.0		85.5	39.3-151				
Surrogate: Terphenyl-d14	21.0		"	25.0		83.8	30.7-106				

LCS (BI80341-BS2)

Prepared: 09/10/2018 Analyzed: 09/11/2018

Acenaphthene	0.740	0.0500	ug/L	1.00		74.0	25-116				
Acenaphthylene	0.780	0.0500	"	1.00		78.0	26-116				
Anthracene	0.810	0.0500	"	1.00		81.0	25-123				
Benzo(a)anthracene	0.860	0.0500	"	1.00		86.0	33-125				
Benzo(a)pyrene	0.850	0.0500	"	1.00		85.0	32-132				
Benzo(b)fluoranthene	0.920	0.0500	"	1.00		92.0	22-137				
Benzo(g,h,i)perylene	0.930	0.0500	"	1.00		93.0	10-138				
Benzo(k)fluoranthene	0.880	0.0500	"	1.00		88.0	20-137				
Bis(2-ethylhexyl)phthalate	0.850	0.500	"	1.00		85.0	10-189				
Chrysene	0.850	0.0500	"	1.00		85.0	32-124				
Dibenzo(a,h)anthracene	0.950	0.0500	"	1.00		95.0	16-133				
Fluoranthene	0.910	0.0500	"	1.00		91.0	32-121				
Fluorene	0.810	0.0500	"	1.00		81.0	28-118				
Hexachlorobenzene	0.770	0.0200	"	1.00		77.0	23-124				
Hexachlorobutadiene	0.670	0.500	"	1.00		67.0	15-123				
Hexachloroethane	0.640	0.500	"	1.00		64.0	18-115				
Indeno(1,2,3-cd)pyrene	0.930	0.0500	"	1.00		93.0	15-135				
Naphthalene	0.720	0.0500	"	1.00		72.0	18-120				
Nitrobenzene	0.800	0.250	"	1.00		80.0	21-121				
N-Nitrosodimethylamine	0.190	0.500	"	1.00		19.0	10-124				
Pentachlorophenol	2.31	0.250	"	1.00		231	10-156	High Bias			
Phenanthrene	0.850	0.0500	"	1.00		85.0	24-127				
Pyrene	0.830	0.0500	"	1.00		83.0	31-132				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BI80240 - EPA SW846-3510C Low Level

Blank (BI80240-BLK1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Aroclor 1016	ND	0.0500	ug/L									
Aroclor 1221	ND	0.0500	"									
Aroclor 1232	ND	0.0500	"									
Aroclor 1242	ND	0.0500	"									
Aroclor 1248	ND	0.0500	"									
Aroclor 1254	ND	0.0500	"									
Aroclor 1260	ND	0.0500	"									
Total PCBs	ND	0.0500	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	0.179		"	0.202		88.6	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.177		"	0.201		88.1	30-120					

Blank (BI80240-BLK2)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Aroclor 1016	ND	0.0500	ug/L									
Aroclor 1221	ND	0.0500	"									
Aroclor 1232	ND	0.0500	"									
Aroclor 1242	ND	0.0500	"									
Aroclor 1248	ND	0.0500	"									
Aroclor 1254	ND	0.0500	"									
Aroclor 1260	ND	0.0500	"									
Total PCBs	ND	0.0500	"									
<i>Surrogate: Tetrachloro-m-xylene</i>	0.179		"	0.202		88.6	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.177		"	0.201		88.1	30-120					

LCS (BI80240-BS1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Aroclor 1016	1.03	0.0500	ug/L				40-120					
Aroclor 1260	0.982	0.0500	"				40-120					
<i>Surrogate: Tetrachloro-m-xylene</i>	0.171		"	0.202		84.7	30-120					
<i>Surrogate: Decachlorobiphenyl</i>	0.145		"	0.201		72.1	30-120					



Polychlorinated Biphenyls by GC/ECD - 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 BI80240 - EPA SW846-3510C Low Level

LCS (BI80240-BS2)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Aroclor 1016	1.03	0.0500	ug/L	1.00		103	40-120				
Aroclor 1260	0.982	0.0500	"	1.00		98.2	40-120				
Surrogate: Tetrachloro-m-xylene	0.171		"	0.202		84.7	30-120				
Surrogate: Decachlorobiphenyl	0.145		"	0.201		72.1	30-120				

LCS Dup (BI80240-BSD1)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Aroclor 1016	1.02	0.0500	ug/L				40-120		0.293	30	
Aroclor 1260	0.940	0.0500	"				40-120		4.39	30	
Surrogate: Tetrachloro-m-xylene	0.168		"	0.202		83.2	30-120				
Surrogate: Decachlorobiphenyl	0.160		"	0.201		79.6	30-120				

LCS Dup (BI80240-BSD2)

Prepared: 09/07/2018 Analyzed: 09/10/2018

Aroclor 1016	1.02	0.0500	ug/L	1.00		102	40-120		0.293	30	
Aroclor 1260	0.940	0.0500	"	1.00		94.0	40-120		4.39	30	
Surrogate: Tetrachloro-m-xylene	0.168		"	0.202		83.2	30-120				
Surrogate: Decachlorobiphenyl	0.160		"	0.201		79.6	30-120				

Batch Y8I1107 - BH80527

Aroclor Reference (Y8I1107-ARC1)

Prepared & Analyzed: 09/10/2018

Aroclor 1254	2.26		ug/mL	2.00							113
Aroclor 1254 (1)	2.28		"	2.00							114
Aroclor 1254 (2)	2.28		"	2.00							114
Aroclor 1254 (3)	2.30		"	2.00							115
Aroclor 1254 (4)	2.18		"	2.00							109
Aroclor 1254 (5)	2.24		"	2.00							112
Aroclor 1254 [2C]	2.21		"	2.00							110
Aroclor 1254 (1) [2C]	2.30		"	2.00							115
Aroclor 1254 (2) [2C]	2.24		"	2.00							112
Aroclor 1254 (3) [2C]	1.98		"	2.00							99.2
Aroclor 1254 (4) [2C]	2.22		"	2.00							111
Aroclor 1254 (5) [2C]	2.30		"	2.00							115



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 BI80423 - EPA 3015A

Blank (BI80423-BLK1)

Prepared & Analyzed: 09/11/2018

Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0111	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00556	"								
Copper	ND	0.00556	"								
Iron	0.0376	0.0222	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.00556	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.111	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0167	"								

LCS (BI80423-BS1)

Prepared & Analyzed: 09/11/2018

Aluminum	2.16		ug/mL	2.00		108	80-120				
Barium	2.15		"	2.00		108	80-120				
Calcium	1.07		"	1.00		107	80-120				
Chromium	0.214		"	0.200		107	80-120				
Cobalt	0.540		"	0.500		108	80-120				
Copper	0.266		"	0.250		107	80-120				
Iron	1.02		"	1.00		102	80-120				
Lead	0.509		"	0.500		102	80-120				
Magnesium	1.09		"	1.00		109	80-120				
Manganese	0.538		"	0.500		108	80-120				
Nickel	0.527		"	0.500		105	80-120				
Potassium	1.02		"	0.500		204	80-120	High Bias			
Silver	0.0524		"	0.0500		105	80-120				
Sodium	1.16		"	1.00		116	80-120				
Vanadium	0.524		"	0.500		105	80-120				
Zinc	0.506		"	0.500		101	80-120				



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

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

Batch BI80425 - EPA 3015A

Blank (BI80425-BLK1)

Prepared & Analyzed: 09/11/2018

Aluminum - Dissolved	ND	0.0556	mg/L
Barium - Dissolved	ND	0.0111	"
Calcium - Dissolved	ND	0.0556	"
Chromium - Dissolved	ND	0.00556	"
Cobalt - Dissolved	ND	0.00556	"
Copper - Dissolved	ND	0.00556	"
Iron - Dissolved	ND	0.0222	"
Lead - Dissolved	ND	0.00556	"
Magnesium - Dissolved	ND	0.0556	"
Manganese - Dissolved	ND	0.00556	"
Nickel - Dissolved	ND	0.00556	"
Potassium - Dissolved	ND	0.0556	"
Silver - Dissolved	ND	0.00556	"
Sodium - Dissolved	ND	0.111	"
Vanadium - Dissolved	ND	0.0111	"
Zinc - Dissolved	ND	0.0167	"

LCS (BI80425-BS1)

Prepared & Analyzed: 09/11/2018

Aluminum - Dissolved	2.15		ug/mL	2.00	108	80-120	
Barium - Dissolved	2.16		"	2.00	108	80-120	
Calcium - Dissolved	1.11		"	1.00	111	80-120	
Chromium - Dissolved	0.216		"	0.200	108	80-120	
Cobalt - Dissolved	0.542		"	0.500	108	80-120	
Copper - Dissolved	0.268		"	0.250	107	80-120	
Iron - Dissolved	1.12		"	1.00	112	80-120	
Lead - Dissolved	0.511		"	0.500	102	80-120	
Magnesium - Dissolved	1.08		"	1.00	108	80-120	
Manganese - Dissolved	0.541		"	0.500	108	80-120	
Nickel - Dissolved	0.529		"	0.500	106	80-120	
Potassium - Dissolved	1.01		"	0.500	202	80-120	High Bias
Silver - Dissolved	0.0532		"	0.0500	106	80-120	
Sodium - Dissolved	1.18		"	1.00	118	80-120	
Vanadium - Dissolved	0.528		"	0.500	106	80-120	
Zinc - Dissolved	0.509		"	0.500	102	80-120	



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

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

Batch BI80425 - EPA 3015A

Duplicate (BI80425-DUP1)	*Source sample: 18I0093-02 (TMW20_090418)						Prepared & Analyzed: 09/11/2018				
Aluminum - Dissolved	ND	0.0556	mg/L		ND						20
Barium - Dissolved	0.0822	0.0111	"		0.0822				0.00843		20
Calcium - Dissolved	119	0.0556	"		119				0.519		20
Chromium - Dissolved	ND	0.00556	"		ND						20
Cobalt - Dissolved	ND	0.00556	"		ND						20
Copper - Dissolved	0.0150	0.00556	"		0.0151				0.486		20
Iron - Dissolved	ND	0.0222	"		0.112						20
Lead - Dissolved	ND	0.00556	"		ND						20
Magnesium - Dissolved	29.7	0.0556	"		29.5				0.534		20
Manganese - Dissolved	0.489	0.00556	"		0.487				0.358		20
Nickel - Dissolved	0.00660	0.00556	"		ND						20
Potassium - Dissolved	14.2	0.0556	"		14.2				0.165		20
Silver - Dissolved	ND	0.00556	"		ND						20
Sodium - Dissolved	161	0.111	"		159				1.10		20
Vanadium - Dissolved	ND	0.0111	"		ND						20
Zinc - Dissolved	0.236	0.0167	"		0.236				0.00569		20

Matrix Spike (BI80425-MS1)	*Source sample: 18I0093-02 (TMW20_090418)						Prepared & Analyzed: 09/11/2018				
Barium - Dissolved	2.59	0.0111	mg/L	2.22	0.0822	113	75-125				
Chromium - Dissolved	0.264	0.00556	"	0.222	ND	119	75-125				
Cobalt - Dissolved	0.652	0.00556	"	0.556	ND	117	75-125				
Copper - Dissolved	0.351	0.00556	"	0.278	0.0151	121	75-125				
Iron - Dissolved	1.27	0.0222	"	1.11	0.112	105	75-125				
Lead - Dissolved	0.615	0.00556	"	0.556	ND	111	75-125				
Manganese - Dissolved	1.13	0.00556	"	0.556	0.487	115	75-125				
Nickel - Dissolved	0.656	0.00556	"	0.556	ND	118	75-125				
Silver - Dissolved	0.0632	0.00556	"	0.0556	ND	114	75-125				
Vanadium - Dissolved	0.626	0.0111	"	0.556	ND	113	75-125				
Zinc - Dissolved	0.865	0.0167	"	0.556	0.236	113	75-125				



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
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Batch BI80424 - EPA 3015A

Blank (BI80424-BLK1)

Prepared & Analyzed: 09/11/2018

Antimony	ND	0.00100	mg/L								
Arsenic	ND	0.00100	"								
Beryllium	ND	0.00100	"								
Cadmium	ND	0.00100	"								
Selenium	ND	0.00100	"								
Thallium	ND	0.00100	"								

LCS (BI80424-BS1)

Prepared & Analyzed: 09/11/2018

Antimony	53.0		ug/L	50.0		106	80-120				
Arsenic	49.4		"	50.0		98.7	80-120				
Beryllium	50.6		"	50.0		101	80-120				
Cadmium	51.9		"	50.0		104	80-120				
Selenium	53.5		"	50.0		107	80-120				
Thallium	54.5		"	50.0		109	80-120				

Duplicate (BI80424-DUP1)

*Source sample: 18I0093-02 (TMW20_090418)

Prepared & Analyzed: 09/11/2018

Antimony	0.00646	0.00100	mg/L		0.00479				29.8	20	Non-dir.
Arsenic	0.00768	0.00100	"		0.00621				21.1	20	Non-dir.
Beryllium	ND	0.00100	"		ND					20	
Cadmium	0.00308	0.00100	"		0.00297				3.69	20	
Selenium	0.00405	0.00100	"		0.00368				9.46	20	
Thallium	ND	0.00100	"		ND					20	

Matrix Spike (BI80424-MS1)

*Source sample: 18I0093-02 (TMW20_090418)

Prepared & Analyzed: 09/11/2018

Antimony	63.7		ug/L	50.0	4.31	119	75-125				
Arsenic	57.9		"	50.0	5.59	105	75-125				
Beryllium	32.3		"	50.0	0.122	64.3	75-125	Low Bias			
Cadmium	57.0		"	50.0	2.67	109	75-125				
Selenium	62.1		"	50.0	3.31	118	75-125				
Thallium	48.4		"	50.0	0.109	96.5	75-125				



Metals by ICP/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 BI80427 - EPA 3015A

Blank (BI80427-BLK1)

Prepared & Analyzed: 09/11/2018

Antimony - Dissolved	ND	0.00111	mg/L										
Arsenic - Dissolved	ND	0.00111	"										
Beryllium - Dissolved	ND	0.00111	"										
Cadmium - Dissolved	ND	0.00111	"										
Selenium - Dissolved	ND	0.00111	"										
Thallium - Dissolved	ND	0.00111	"										

LCS (BI80427-BS1)

Prepared & Analyzed: 09/11/2018

Antimony - Dissolved	52.7		ug/L	50.0		105	80-120						
Arsenic - Dissolved	48.1		"	50.0		96.2	80-120						
Beryllium - Dissolved	49.0		"	50.0		97.9	80-120						
Cadmium - Dissolved	51.2		"	50.0		102	80-120						
Selenium - Dissolved	48.2		"	50.0		96.4	80-120						
Thallium - Dissolved	52.1		"	50.0		104	80-120						

Duplicate (BI80427-DUP1)

*Source sample: 18I0093-02 (TMW20_090418)

Prepared & Analyzed: 09/11/2018

Antimony - Dissolved	0.00202	0.00111	mg/L		0.00197					2.61		20	
Arsenic - Dissolved	ND	0.00111	"		ND							20	
Beryllium - Dissolved	ND	0.00111	"		ND							20	
Cadmium - Dissolved	ND	0.00111	"		ND							20	
Selenium - Dissolved	0.00234	0.00111	"		0.00244					4.16		20	
Thallium - Dissolved	ND	0.00111	"		ND							20	

Matrix Spike (BI80427-MS1)

*Source sample: 18I0093-02 (TMW20_090418)

Prepared & Analyzed: 09/11/2018

Antimony - Dissolved	59.8		ug/L	50.0	1.77	116	75-125						
Arsenic - Dissolved	53.5		"	50.0	0.762	105	75-125						
Beryllium - Dissolved	36.0		"	50.0	0.004	72.0	75-125	Low Bias					
Cadmium - Dissolved	55.0		"	50.0	0.485	109	75-125						
Selenium - Dissolved	61.4		"	50.0	2.20	118	75-125						
Thallium - Dissolved	47.4		"	50.0	0.187	94.4	75-125						



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 BI80385 - EPA 7473 water											
Blank (BI80385-BLK1)										Prepared & Analyzed: 09/10/2018	
Mercury	ND	0.00020	mg/L								
Duplicate (BI80385-DUP1)										*Source sample: 18I0093-02 (TMW20_090418) Prepared & Analyzed: 09/10/2018	
Mercury	ND	0.00020	mg/L		ND						20
Matrix Spike (BI80385-MS1)										*Source sample: 18I0093-02 (TMW20_090418) Prepared & Analyzed: 09/10/2018	
Mercury	0.0109		mg/L	0.0100	0.00	109	75-125				
Reference (BI80385-SRM1)										Prepared & Analyzed: 09/10/2018	
Mercury	0.00908		mg/L	0.0100		90.8	70-130				
Batch BI80415 - EPA 7473 water											
Blank (BI80415-BLK1)										Prepared & Analyzed: 09/11/2018	
Mercury - Dissolved	ND	0.0002000	mg/L								
Reference (BI80415-SRM1)										Prepared & Analyzed: 09/11/2018	
Mercury - Dissolved	0.009286		mg/L	0.0100		92.9	70-130				



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 BI80058 - Analysis Preparation											
Blank (BI80058-BLK1)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent	ND	0.0100	mg/L								
LCS (BI80058-BS1)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent	0.454	0.0100	mg/L	0.500		90.8	80-120				
Duplicate (BI80058-DUP1) *Source sample: 18I0093-02 (TMW20_090418)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent	ND	0.0100	mg/L		ND						20
Matrix Spike (BI80058-MS1) *Source sample: 18I0093-02 (TMW20_090418)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent	0.413	0.0100	mg/L	0.500	ND	82.6	75-125				
Batch BI80059 - Analysis Preparation											
Blank (BI80059-BLK1)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent - Dissolved	ND	0.0100	mg/L								
LCS (BI80059-BS1)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent - Dissolved	0.454	0.0100	mg/L	0.500		90.8	80-120				
Duplicate (BI80059-DUP1) *Source sample: 18I0093-02 (TMW20_090418)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent - Dissolved	ND	0.0100	mg/L		ND						20
Matrix Spike (BI80059-MS1) *Source sample: 18I0093-02 (TMW20_090418)										Prepared & Analyzed: 09/04/2018	
Chromium, Hexavalent - Dissolved	0.417	0.0100	mg/L	0.500	ND	83.4	75-125				
Batch BI80181 - Analysis Preparation											
Blank (BI80181-BLK1)										Prepared & Analyzed: 09/06/2018	
Cyanide, total	ND	0.0100	mg/L								



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 BI80181 - Analysis Preparation											
LCS (BI80181-BS1)										Prepared & Analyzed: 09/06/2018	
Cyanide, total	0.176	0.0100	mg/L	0.200		88.0	76.2-107				



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
18I0093-01	TMW18_090418	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I0093-02	TMW20_090418	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
18I0093-03	TB05_090418	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

SCAL-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration (average Rf>20%).
S-08	The recovery of this surrogate was outside of QC limits.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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.
M-SRD1	The serial dilution for this element was outside control limits.
M-MBLk	Analyte was detected in the batch method blank above the Reporting Limit.
M-CRL	The RL check for this element recovered outside of control limits.
M-BS	The recovery for this element in the batch blank spike recovered slightly 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.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
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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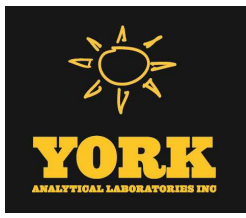
Field Chain-of-Custody Record

YORK Project No.
 18I0093

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: LALGAN	Company: SAME	Company: SAME	Company: SAME	CT RCP	Standard Excel EDD	RUSH - Next Day			
Address: 360 W. 31st St	Address: SAME	Address: SAME	Address: SAME	CT RCP DQA/DUE	EquiS (Standard)	RUSH - Two Day			
Phone: (212) 479-5400	Phone: SAME	Phone: SAME	Phone: SAME	NY ASP A Package	NYSDEC EquiS	RUSH - Three Day			
Contact: Julia Leung	Contact: SAME	Contact: SAME	Contact: SAME	NY ASP B Package	NJDEP SRP HazSite	RUSH - Four Day			
E-mail: jueung@langan.com	E-mail: SAME	E-mail: SAME	E-mail: SAME	Other:	Other:	Standard (5-7 Day)			
<p>Samples Collected by: (print your name above and sign below) Sherief Saleh</p>									
<p>Matrix Codes: S - soil / solid, GW - groundwater, DW - drinking water, WW - wastewater, O - Oil, Other</p>									
Sample Matrix		Samples From		Report / EDD Type (circle selections)		YORK Reg. Comp.			
Sample Identification		Date/Time Sampled		Analysis Requested		Compared to the following Regulation(s): (please fill in)			
TMW18-090418		9/4/18 1000		Vocs, SVcs, PCBs, Metals / Crankle Tri, Chry Chrom, Pest					
TMW20-090418		9/4/18 1100		TCL VOCs					
TBO5-090418		9/4/18, 1230							
<p>Comments: KFTS analysis is requested for sample on other chain.</p>									
Samples Relinquished by / Company		Date/Time		Preservation: (check all that apply)		Special Instruction			
Sherief Saleh		9/4/18 1:30 PM		HCl, MeOH, HNO3, H2SO4, NaOH, ZnAc, Ascorbic Acid		Field Filtered Lab to Filter			
Samples Received by / Company		Date/Time		Samples Relinquished by / Company		Date/Time			
Sherief Saleh		9/4/18 1:30 PM		Sherief Saleh / York		8/4/18 2:00 PM			
Samples Relinquished by / Company		Date/Time		Samples Received by / Company		Date/Time			
AAAL York		9/4/18 3:00 PM		Sherief Saleh		8/4/18 2:00 PM			
Samples Relinquished by / Company		Date/Time		Samples Received in LAB by		Temp. Received at Lab			
AAAL York		9/4/18 3:00 PM		Sherief Saleh		4.7			



Technical Report

prepared for:

Langan Engineering & Environmental Services (NYC)

21 Penn Plaza, 360 West 31st Street

New York NY, 10001

Attention: Julia Leung

Report Date: 09/11/2018

Client Project ID: 170502901

York Project (SDG) No.: 18I0094

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: 09/11/2018
Client Project ID: 170502901
York Project (SDG) No.: 18I0094

Langan Engineering & Environmental Services (NYC)
21 Penn Plaza, 360 West 31st Street
New York NY, 10001
Attention: Julia Leung

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 04, 2018 and listed below. The project was identified as your project: **170502901**.

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>
18I0094-01	SV18_090418	Soil Vapor	09/04/2018	09/04/2018
18I0094-02	SV20_090418	Soil Vapor	09/04/2018	09/04/2018

General Notes for York Project (SDG) No.: 18I0094

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: 09/11/2018





Sample Information

Client Sample ID: SV18_090418

York Sample ID: 1810094-01

<u>York Project (SDG) No.</u> 1810094	<u>Client Project ID</u> 170502901	<u>Matrix</u> Soil Vapor	<u>Collection Date/Time</u> September 4, 2018 8:51 am	<u>Date Received</u> 09/04/2018
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Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications:	09/05/2018 23:58	09/05/2018 23:58	LDS
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
75-34-3	1,1-Dichloroethane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.039	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
95-63-6	1,2,4-Trimethylbenzene	2.8		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
106-93-4	1,2-Dibromoethane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
107-06-2	1,2-Dichloroethane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
78-87-5	1,2-Dichloropropane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
108-67-8	1,3,5-Trimethylbenzene	1.3		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
106-99-0	1,3-Butadiene	ND		ppbv	0.47	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
142-28-9	* 1,3-Dichloropropane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications:	09/05/2018 23:58	09/05/2018 23:58	LDS
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
123-91-1	1,4-Dioxane	ND		ppbv	0.31	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
78-93-3	2-Butanone	29		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS



Sample Information

Client Sample ID: SV18_090418

York Sample ID: 18I0094-01

York Project (SDG) No.

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170502901

Soil Vapor

September 4, 2018 8:51 am

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Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	12		ppbv	0.31	1.57	EPA TO-15 Certifications:	09/05/2018 23:58	09/05/2018 23:58	LDS
107-05-1	3-Chloropropene	ND		ppbv	0.78	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
108-10-1	4-Methyl-2-pentanone	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
67-64-1	Acetone	39		ppbv	0.31	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
107-13-1	Acrylonitrile	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
71-43-2	Benzene	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
100-44-7	Benzyl chloride	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
75-27-4	Bromodichloromethane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
75-25-2	Bromoform	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
74-83-9	Bromomethane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
75-15-0	Carbon disulfide	1.8		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
56-23-5	Carbon tetrachloride	ND		ppbv	0.039	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
108-90-7	Chlorobenzene	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
75-00-3	Chloroethane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
67-66-3	Chloroform	1.7		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
74-87-3	Chloromethane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.039	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
110-82-7	Cyclohexane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
124-48-1	Dibromochloromethane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
75-71-8	Dichlorodifluoromethane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
141-78-6	* Ethyl acetate	ND		ppbv	0.31	1.57	EPA TO-15 Certifications:	09/05/2018 23:58	09/05/2018 23:58	LDS



Sample Information

Client Sample ID: SV18_090418

York Sample ID: 18I0094-01

York Project (SDG) No.

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Soil Vapor

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Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	1.0		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
87-68-3	Hexachlorobutadiene	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
67-63-0	Isopropanol	ND		ppbv	0.31	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
80-62-6	Methyl Methacrylate	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
75-09-2	Methylene chloride	ND		ppbv	0.31	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
142-82-5	n-Heptane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
110-54-3	n-Hexane	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
95-47-6	o-Xylene	2.6		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
179601-23-1	p- & m- Xylenes	4.0		ppbv	0.31	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
622-96-8	* p-Ethyltoluene	2.2		ppbv	0.16	1.57	EPA TO-15 Certifications:	09/05/2018 23:58	09/05/2018 23:58	LDS
115-07-1	* Propylene	3.8		ppbv	0.16	1.57	EPA TO-15 Certifications:	09/05/2018 23:58	09/05/2018 23:58	LDS
100-42-5	Styrene	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
127-18-4	Tetrachloroethylene	ND		ppbv	0.039	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
109-99-9	* Tetrahydrofuran	ND		ppbv	0.31	1.57	EPA TO-15 Certifications:	09/05/2018 23:58	09/05/2018 23:58	LDS
108-88-3	Toluene	1.1		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
79-01-6	Trichloroethylene	ND		ppbv	0.039	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
108-05-4	Vinyl acetate	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS
593-60-2	Vinyl bromide	ND		ppbv	0.16	1.57	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/05/2018 23:58	09/05/2018 23:58	LDS



Sample Information

Client Sample ID: SV18_090418

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Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ppbv	0.039	1.57	EPA TO-15	09/05/2018 23:58	09/05/2018 23:58	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	111 %	70-130							

Methane

Log-in Notes:

Sample Notes:

Sample Prepared by Method: PREP for GASES by GC

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* Methane	ND		ppmv	16	1.57	GC/FID	09/11/2018 10:03	09/11/2018 10:20	RQB
							Certifications:			





Sample Information

Client Sample ID: SV20_090418

York Sample ID: 18I0094-02

York Project (SDG) No.

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Soil Vapor

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Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications:	09/06/2018 01:03	09/06/2018 01:03	LDS
71-55-6	1,1,1-Trichloroethane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
79-00-5	1,1,2-Trichloroethane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
75-34-3	1,1-Dichloroethane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
75-35-4	1,1-Dichloroethylene	ND		ppbv	0.043	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
120-82-1	1,2,4-Trichlorobenzene	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
95-63-6	1,2,4-Trimethylbenzene	5.9		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
106-93-4	1,2-Dibromoethane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
95-50-1	1,2-Dichlorobenzene	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
107-06-2	1,2-Dichloroethane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
78-87-5	1,2-Dichloropropane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
108-67-8	1,3,5-Trimethylbenzene	2.4		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
106-99-0	1,3-Butadiene	ND		ppbv	0.51	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
541-73-1	1,3-Dichlorobenzene	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
142-28-9	* 1,3-Dichloropropane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications:	09/06/2018 01:03	09/06/2018 01:03	LDS
106-46-7	1,4-Dichlorobenzene	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
123-91-1	1,4-Dioxane	ND		ppbv	0.34	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
78-93-3	2-Butanone	50		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS



Sample Information

Client Sample ID: SV20_090418

York Sample ID: 18I0094-02

York Project (SDG) No.

Client Project ID

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170502901

Soil Vapor

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09/04/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
591-78-6	* 2-Hexanone	21		ppbv	0.34	1.703	EPA TO-15 Certifications:	09/06/2018 01:03	09/06/2018 01:03	LDS
107-05-1	3-Chloropropene	ND		ppbv	0.85	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
108-10-1	4-Methyl-2-pentanone	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
67-64-1	Acetone	140		ppbv	3.4	17.03	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 11:24	09/06/2018 11:24	LDS
107-13-1	Acrylonitrile	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
71-43-2	Benzene	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
100-44-7	Benzyl chloride	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
75-27-4	Bromodichloromethane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
75-25-2	Bromoform	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
74-83-9	Bromomethane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
75-15-0	Carbon disulfide	1.7		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
56-23-5	Carbon tetrachloride	ND		ppbv	0.043	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
108-90-7	Chlorobenzene	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
75-00-3	Chloroethane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
67-66-3	Chloroform	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
74-87-3	Chloromethane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
156-59-2	cis-1,2-Dichloroethylene	ND		ppbv	0.043	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
10061-01-5	cis-1,3-Dichloropropylene	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
110-82-7	Cyclohexane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
124-48-1	Dibromochloromethane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
75-71-8	Dichlorodifluoromethane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
141-78-6	* Ethyl acetate	ND		ppbv	0.34	1.703	EPA TO-15 Certifications:	09/06/2018 01:03	09/06/2018 01:03	LDS



Sample Information

Client Sample ID: SV20_090418

York Sample ID: 18I0094-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

18I0094

170502901

Soil Vapor

September 4, 2018 9:39 am

09/04/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
100-41-4	Ethyl Benzene	1.5		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
87-68-3	Hexachlorobutadiene	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
67-63-0	Isopropanol	ND		ppbv	0.34	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
80-62-6	Methyl Methacrylate	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
75-09-2	Methylene chloride	ND		ppbv	0.34	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
142-82-5	n-Heptane	1.3		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
110-54-3	n-Hexane	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
95-47-6	o-Xylene	4.0		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
179601-23-1	p- & m- Xylenes	6.3		ppbv	0.34	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
622-96-8	* p-Ethyltoluene	4.2		ppbv	0.17	1.703	EPA TO-15 Certifications:	09/06/2018 01:03	09/06/2018 01:03	LDS
115-07-1	* Propylene	6.5		ppbv	0.17	1.703	EPA TO-15 Certifications:	09/06/2018 01:03	09/06/2018 01:03	LDS
100-42-5	Styrene	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
127-18-4	Tetrachloroethylene	3.1		ppbv	0.043	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
109-99-9	* Tetrahydrofuran	ND		ppbv	0.34	1.703	EPA TO-15 Certifications:	09/06/2018 01:03	09/06/2018 01:03	LDS
108-88-3	Toluene	1.5		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
156-60-5	trans-1,2-Dichloroethylene	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
10061-02-6	trans-1,3-Dichloropropylene	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
79-01-6	Trichloroethylene	ND		ppbv	0.043	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
75-69-4	Trichlorofluoromethane (Freon 11)	9.7		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
108-05-4	Vinyl acetate	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS
593-60-2	Vinyl bromide	ND		ppbv	0.17	1.703	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	09/06/2018 01:03	09/06/2018 01:03	LDS



Sample Information

Client Sample ID: SV20_090418

York Sample ID: 18I0094-02

York Project (SDG) No.
18I0094

Client Project ID
170502901

Matrix
Soil Vapor

Collection Date/Time
September 4, 2018 9:39 am

Date Received
09/04/2018

Volatile Organics, EPA TO15 Full List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		ppbv	0.043	1.703	EPA TO-15	09/06/2018 01:03	09/06/2018 01:03	LDS
							Certifications:	NELAC-NY12058,NJDEP-Queens		
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: p-Bromofluorobenzene	118 %	70-130							

Methane

Log-in Notes:

Sample Notes:

Sample Prepared by Method: PREP for GASES by GC

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-82-8	* Methane	ND		ppmv	17	1.7	GC/FID	09/11/2018 10:03	09/11/2018 10:44	RQB
							Certifications:			



Analytical Batch Summary

Batch ID: BI80158

Preparation Method: EPA TO15 PREP

Prepared By: LDS

YORK Sample ID	Client Sample ID	Preparation Date
18I0094-01	SV18_090418	09/05/18
18I0094-02	SV20_090418	09/06/18
18I0094-02RE1	SV20_090418	09/06/18
BI80158-BLK1	Blank	09/05/18
BI80158-BS1	LCS	09/05/18
BI80158-DUP1	Duplicate	09/06/18

Batch ID: BI80417

Preparation Method: PREP for GASES by GC

Prepared By: RQB

YORK Sample ID	Client Sample ID	Preparation Date
18I0094-01	SV18_090418	09/11/18
18I0094-02	SV20_090418	09/11/18
BI80417-BLK1	Blank	09/11/18
BI80417-DUP1	Duplicate	09/11/18



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80158 - EPA TO15 PREP

Blank (BI80158-BLK1)

Prepared & Analyzed: 09/05/2018

1,1,1,2-Tetrachloroethane	ND	0.10	ppbv								
1,1,1-Trichloroethane	ND	0.10	"								
1,1,2,2-Tetrachloroethane	ND	0.10	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.10	"								
1,1,2-Trichloroethane	ND	0.10	"								
1,1-Dichloroethane	ND	0.10	"								
1,1-Dichloroethylene	ND	0.025	"								
1,2,4-Trichlorobenzene	ND	0.10	"								
1,2,4-Trimethylbenzene	ND	0.10	"								
1,2-Dibromoethane	ND	0.10	"								
1,2-Dichlorobenzene	ND	0.10	"								
1,2-Dichloroethane	ND	0.10	"								
1,2-Dichloropropane	ND	0.10	"								
1,2-Dichlorotetrafluoroethane	ND	0.10	"								
1,3,5-Trimethylbenzene	ND	0.10	"								
1,3-Butadiene	ND	0.30	"								
1,3-Dichlorobenzene	ND	0.10	"								
1,3-Dichloropropane	ND	0.10	"								
1,4-Dichlorobenzene	ND	0.10	"								
1,4-Dioxane	ND	0.20	"								
2-Butanone	ND	0.10	"								
2-Hexanone	ND	0.20	"								
3-Chloropropene	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.10	"								
Acetone	ND	0.20	"								
Acrylonitrile	ND	0.10	"								
Benzene	ND	0.10	"								
Benzyl chloride	ND	0.10	"								
Bromodichloromethane	ND	0.10	"								
Bromoform	ND	0.10	"								
Bromomethane	ND	0.10	"								
Carbon disulfide	ND	0.10	"								
Carbon tetrachloride	ND	0.025	"								
Chlorobenzene	ND	0.10	"								
Chloroethane	ND	0.10	"								
Chloroform	ND	0.10	"								
Chloromethane	ND	0.10	"								
cis-1,2-Dichloroethylene	ND	0.025	"								
cis-1,3-Dichloropropylene	ND	0.10	"								
Cyclohexane	ND	0.10	"								
Dibromochloromethane	ND	0.10	"								
Dichlorodifluoromethane	ND	0.10	"								
Ethyl acetate	ND	0.20	"								
Ethyl Benzene	ND	0.10	"								
Hexachlorobutadiene	ND	0.10	"								
Isopropanol	ND	0.20	"								
Methyl Methacrylate	ND	0.10	"								
Methyl tert-butyl ether (MTBE)	ND	0.10	"								
Methylene chloride	ND	0.20	"								
n-Heptane	ND	0.10	"								



Volatile Organic Compounds in Air 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 BI80158 - EPA TO15 PREP

Blank (BI80158-BLK1)

Prepared & Analyzed: 09/05/2018

n-Hexane	ND	0.10	ppbv								
o-Xylene	ND	0.10	"								
p- & m- Xylenes	ND	0.20	"								
p-Ethyltoluene	ND	0.10	"								
Propylene	ND	0.10	"								
Styrene	ND	0.10	"								
Tetrachloroethylene	ND	0.025	"								
Tetrahydrofuran	ND	0.20	"								
Toluene	ND	0.10	"								
trans-1,2-Dichloroethylene	ND	0.10	"								
trans-1,3-Dichloropropylene	ND	0.10	"								
Trichloroethylene	ND	0.025	"								
Trichlorofluoromethane (Freon 11)	ND	0.10	"								
Vinyl acetate	ND	0.10	"								
Vinyl bromide	ND	0.10	"								
Vinyl Chloride	ND	0.025	"								

Surrogate: p-Bromofluorobenzene 8.40 " 10.0 84.0 70-130

LCS (BI80158-BS1)

Prepared & Analyzed: 09/05/2018

1,1,1,2-Tetrachloroethane	9.16		ppbv	10.0	91.6	70-130					
1,1,1-Trichloroethane	11.3		"	10.0	113	70-130					
1,1,2,2-Tetrachloroethane	9.40		"	10.0	94.0	70-130					
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.8		"	10.0	108	70-130					
1,1,2-Trichloroethane	10.8		"	10.0	108	70-130					
1,1-Dichloroethane	11.0		"	10.0	110	70-130					
1,1-Dichloroethylene	11.3		"	10.0	113	70-130					
1,2,4-Trichlorobenzene	6.69		"	10.0	66.9	70-130	Low Bias				
1,2,4-Trimethylbenzene	10.2		"	10.0	102	70-130					
1,2-Dibromoethane	10.5		"	10.0	105	70-130					
1,2-Dichlorobenzene	9.53		"	10.0	95.3	70-130					
1,2-Dichloroethane	10.7		"	10.0	107	70-130					
1,2-Dichloropropane	10.4		"	10.0	104	70-130					
1,2-Dichlorotetrafluoroethane	11.0		"	10.0	110	70-130					
1,3,5-Trimethylbenzene	9.86		"	10.0	98.6	70-130					
1,3-Butadiene	9.73		"	10.0	97.3	70-130					
1,3-Dichlorobenzene	9.60		"	10.0	96.0	70-130					
1,3-Dichloropropane	10.4		"	10.0	104	70-130					
1,4-Dichlorobenzene	9.16		"	10.0	91.6	70-130					
1,4-Dioxane	9.71		"	10.0	97.1	70-130					
2-Butanone	10.4		"	10.0	104	70-130					
2-Hexanone	10.7		"	10.0	107	70-130					
3-Chloropropene	10.9		"	10.0	109	70-130					
4-Methyl-2-pentanone	10.4		"	10.0	104	70-130					
Acetone	9.65		"	10.0	96.5	70-130					
Acrylonitrile	10.2		"	10.0	102	70-130					
Benzene	10.8		"	10.0	108	70-130					
Benzyl chloride	7.50		"	10.0	75.0	70-130					
Bromodichloromethane	10.7		"	10.0	107	70-130					
Bromoform	10.4		"	10.0	104	70-130					
Bromomethane	9.89		"	10.0	98.9	70-130					
Carbon disulfide	11.7		"	10.0	117	70-130					



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI80158 - EPA TO15 PREP

LCS (BI80158-BS1)

Prepared & Analyzed: 09/05/2018

Carbon tetrachloride	12.3		ppbv	10.0		123	70-130				
Chlorobenzene	8.74		"	10.0		87.4	70-130				
Chloroethane	10.5		"	10.0		105	70-130				
Chloroform	11.0		"	10.0		110	70-130				
Chloromethane	8.99		"	10.0		89.9	70-130				
cis-1,2-Dichloroethylene	9.59		"	10.0		95.9	70-130				
cis-1,3-Dichloropropylene	11.4		"	10.0		114	70-130				
Cyclohexane	11.1		"	10.0		111	70-130				
Dibromochloromethane	11.1		"	10.0		111	70-130				
Dichlorodifluoromethane	10.4		"	10.0		104	70-130				
Ethyl acetate	10.4		"	10.0		104	70-130				
Ethyl Benzene	9.05		"	10.0		90.5	70-130				
Hexachlorobutadiene	10.1		"	10.0		101	70-130				
Isopropanol	11.4		"	10.0		114	70-130				
Methyl Methacrylate	11.2		"	10.0		112	70-130				
Methyl tert-butyl ether (MTBE)	33.5		"	10.0		335	70-130	High Bias			
Methylene chloride	9.35		"	10.0		93.5	70-130				
n-Heptane	11.0		"	10.0		110	70-130				
n-Hexane	11.2		"	10.0		112	70-130				
o-Xylene	9.93		"	10.0		99.3	70-130				
p- & m- Xylenes	17.4		"	20.0		87.2	70-130				
p-Ethyltoluene	10.5		"	10.0		105	70-130				
Propylene	8.85		"	10.0		88.5	70-130				
Styrene	10.5		"	10.0		105	70-130				
Tetrachloroethylene	10.1		"	10.0		101	70-130				
Tetrahydrofuran	10.5		"	10.0		105	70-130				
Toluene	10.8		"	10.0		108	70-130				
trans-1,2-Dichloroethylene	11.0		"	10.0		110	70-130				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	70-130				
Trichloroethylene	11.2		"	10.0		112	70-130				
Trichlorofluoromethane (Freon 11)	10.9		"	10.0		109	70-130				
Vinyl acetate	24.0		"	10.0		240	70-130	High Bias			
Vinyl bromide	11.3		"	10.0		113	70-130				
Vinyl Chloride	10.3		"	10.0		103	70-130				
Surrogate: p-Bromofluorobenzene	9.75		"	10.0		97.5	70-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI80158 - EPA TO15 PREP											
Duplicate (BI80158-DUP1)	*Source sample: 18I0094-02 (SV20_090418)						Prepared & Analyzed: 09/06/2018				
1,1,1,2-Tetrachloroethane	ND	0.17	ppbv		ND					25	
1,1,1-Trichloroethane	ND	0.17	"		ND					25	
1,1,2,2-Tetrachloroethane	ND	0.17	"		ND					25	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.17	"		ND					25	
1,1,2-Trichloroethane	ND	0.17	"		ND					25	
1,1-Dichloroethane	ND	0.17	"		ND					25	
1,1-Dichloroethylene	ND	0.043	"		ND					25	
1,2,4-Trichlorobenzene	ND	0.17	"		ND					25	
1,2,4-Trimethylbenzene	5.0	0.17	"		5.9				16.0	25	
1,2-Dibromoethane	ND	0.17	"		ND					25	
1,2-Dichlorobenzene	ND	0.17	"		ND					25	
1,2-Dichloroethane	ND	0.17	"		ND					25	
1,2-Dichloropropane	ND	0.17	"		ND					25	
1,2-Dichlorotetrafluoroethane	ND	0.17	"		ND					25	
1,3,5-Trimethylbenzene	2.0	0.17	"		2.4				17.5	25	
1,3-Butadiene	ND	0.51	"		ND					25	
1,3-Dichlorobenzene	ND	0.17	"		ND					25	
1,3-Dichloropropane	ND	0.17	"		ND					25	
1,4-Dichlorobenzene	ND	0.17	"		ND					25	
1,4-Dioxane	ND	0.34	"		ND					25	
2-Butanone	47	0.17	"		50				4.45	25	
2-Hexanone	19	0.34	"		21				12.9	25	
3-Chloropropene	ND	0.85	"		ND					25	
4-Methyl-2-pentanone	ND	0.17	"		ND					25	
Acetone	130	0.34	"		140				7.84	25	
Acrylonitrile	ND	0.17	"		ND					25	
Benzene	ND	0.17	"		ND					25	
Benzyl chloride	ND	0.17	"		ND					25	
Bromodichloromethane	ND	0.17	"		ND					25	
Bromoform	ND	0.17	"		ND					25	
Bromomethane	ND	0.17	"		ND					25	
Carbon disulfide	1.5	0.17	"		1.7				8.42	25	
Carbon tetrachloride	ND	0.043	"		ND					25	
Chlorobenzene	ND	0.17	"		ND					25	
Chloroethane	ND	0.17	"		ND					25	
Chloroform	ND	0.17	"		ND					25	
Chloromethane	ND	0.17	"		ND					25	
cis-1,2-Dichloroethylene	ND	0.043	"		ND					25	
cis-1,3-Dichloropropylene	ND	0.17	"		ND					25	
Cyclohexane	ND	0.17	"		ND					25	
Dibromochloromethane	ND	0.17	"		ND					25	
Dichlorodifluoromethane	ND	0.17	"		ND					25	
Ethyl acetate	ND	0.34	"		ND					25	
Ethyl Benzene	1.3	0.17	"		1.5				15.6	25	
Hexachlorobutadiene	ND	0.17	"		ND					25	
Isopropanol	ND	0.34	"		ND					25	
Methyl Methacrylate	ND	0.17	"		ND					25	
Methyl tert-butyl ether (MTBE)	ND	0.17	"		ND					25	
Methylene chloride	ND	0.34	"		ND					25	
n-Heptane	1.2	0.17	"		1.3				4.03	25	
n-Hexane	ND	0.17	"		ND					25	



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

York Analytical Laboratories, Inc.

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

Batch BI80158 - EPA TO15 PREP

Duplicate (BI80158-DUP1)

*Source sample: 18I0094-02 (SV20_090418)

Prepared & Analyzed: 09/06/2018

o-Xylene	3.5	0.17	ppbv		4.0				11.8	25		
p- & m- Xylenes	5.6	0.34	"		6.3				11.8	25		
p-Ethyltoluene	3.7	0.17	"		4.2				13.9	25		
Propylene	6.3	0.17	"		6.5				2.94	25		
Styrene	ND	0.17	"		ND					25		
Tetrachloroethylene	2.7	0.043	"		3.1				11.1	25		
Tetrahydrofuran	ND	0.34	"		ND					25		
Toluene	1.3	0.17	"		1.5				9.64	25		
trans-1,2-Dichloroethylene	ND	0.17	"		ND					25		
trans-1,3-Dichloropropylene	ND	0.17	"		ND					25		
Trichloroethylene	ND	0.043	"		ND					25		
Trichlorofluoromethane (Freon 11)	8.8	0.17	"		9.7				9.61	25		
Vinyl acetate	ND	0.17	"		ND					25		
Vinyl bromide	ND	0.17	"		ND					25		
Vinyl Chloride	ND	0.043	"		ND					25		
<i>Surrogate: p-Bromofluorobenzene</i>	<i>11.0</i>		<i>"</i>	<i>10.0</i>		<i>110</i>	<i>70-130</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
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Batch BI80417 - PREP for GASES by GC

Blank (BI80417-BLK1)

Prepared & Analyzed: 09/11/2018

Methane ND 17 ppmv

Duplicate (BI80417-DUP1)

*Source sample: 18I0094-01 (SV18_090418)

Prepared & Analyzed: 09/11/2018

Methane ND 16 ppmv ND 20





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.
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.

Definitions and Other Explanations

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

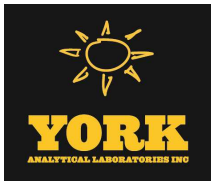
If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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



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





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 www.yorklab.com

Field Chain-of-Custody Record - AIR

YORK Project No.
 1820094

Your Report To: YOUR Project Number: 170502901
 YOUR Project Name: 320 W Fordham Road
 CSX Lot 5

Page 1 of 1
 Turn-Around Time
 RUSH - Next Day
 RUSH - Two Day
 RUSH - Three Day
 RUSH - Four Day
 Standard (5-7 Day)

YOUR Information
 Company: LANGAN
 Address: 360 W 31st St.
 8th fl NY, NY
 Phone: 212 479 5400
 Contact: Julia Langan
 E-mail: JLangan@Langan.com

Report To:
 Company: SAME
 Address:
 Phone:
 Contact:
 E-mail:

Invoice To:
 Company: SAME
 Address:
 Phone:
 Contact:
 E-mail:

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

Samples From
 New York
 New Jersey
 Connecticut
 Pennsylvania
 Other

Report / EDD Type (circle selections)
 CT RCP
 CT RCP DQA/DUE
 NJDEP Reduced Deliv.
 NJDEP SRP HazSite
 Summary Report
 QA Report
 NY ASP A Package
 NY ASP B Package
 Other:

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

Certified Canisters: Batch _____ Individual _____
 Reporting Units: ug/m³ _____ ppbv _____ ppmv _____

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
SV18-090418	9/4/18 8:51	AS	28.97	4.65	18313	Y23	TU-15 VOCs + methane
SV20-090418	9/4/18 9:39	AS	29.13	4.99	28841	Y41	

Comments:

Detection Limits Required	Sampling Media
≤ 1 ug/m ³ Routine Survey _____ NYSDEC V1 Limits _____ Other _____	6 Liter Canister Tedlar Bag
Samples Relinquished by / Company 8/4/18 1300h Edging	Date/Time 9/4/18 3:30 PM
Samples Relinquished by / Company	Date/Time
Samples Relinquished by / Company	Date/Time
Samples Relinquished by / Company	Date/Time