SUPPLEMENTAL REMEDIAL DESIGN INVESTIGATION REPORT

for

459 Smith Street
Brooklyn, New York
BCP Site No. C224012B

Prepared For:

HR DC Smith Street Owner, LP
52 Sutton Place
Lawrence, NY 11559

Prepared By:

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

DRAFT

Gerald Nicholls, PE, CHMM
Associate

March 7, 2022
Langan Project No. 170420201

LANGAN

DRAFT

TABLE OF CONTENTS

1.0 INTRODUCTION 1

2.0 SITE BACKGROUND 2

2.1 SITE DESCRIPTION 2
2.2 PROPOSED DEVELOPMENT PLAN 2
2.3 SITE HISTORY 3
2.4 SUMMARY OF PREVIOUS ENVIRONMENTAL REPORTS 3
2.5 GEOLOGY 7
2.6 HYDROLOGY 7

3.0 SUPPLEMENTAL REMEDIAL DESIGN INVESTIGATION 8

3.1 SOIL INVESTIGATION 8
3.2 GROUNDWATER INVESTIGATION 10
3.3 SOIL VAPOR INVESTIGATION 11
3.4 QUALITY ASSURANCE AND QUALITY CONTROL SAMPLING 11
3.5 DATA VALIDATION 12

4.0 FIELD OBSERVATIONS AND ANALYTICAL RESULTS 15

4.1 SOIL FINDINGS 15
4.2 GROUNDWATER FINDINGS 18
4.3 SOIL VAPOR FINDINGS 19

5.0 CONCLUSIONS 20

DRAFT

FIGURES

Figure 1 Site Location Map
Figure 2 Site Plan and Sample Location Map
Figure 3 Soil Sample Analytical Results Map
Figure 4 Groundwater Sample Analytical Results Map
Figure 5 Soil Vapor Sample Analytical Results Map

TABLES

Table 1 Sample Summary
Table 2 Soil Sample Analytical Results
Table 3 Groundwater Sample Analytical Results
Table 4 Soil Vapor Sample Analytical Results
Table 5 QA/QC Sample Analytical Results

ATTACHMENTS

Attachment A Community Air Monitoring Plan Data
Attachment B Soil Boring Logs
Attachment C Well Construction Logs
Attachment D Groundwater Sampling Logs
Attachment E Soil Vapor Sampling Logs
Attachment F Laboratory Reports
Attachment G Data Usability Summary Reports
Attachment H Architectural Survey

DRAFT

1.0 INTRODUCTION

This Supplemental Remedial Design Investigation Report (SRDIR) was prepared on behalf of HR DC Smith Street Owner LP (the Volunteer) for the property known as 459 Smith Street in Brooklyn, New York (the site). The Volunteer was accepted into the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) (Site No. C224012B) to remediate the site pursuant to the October 30, 2019 Brownfield Cleanup Agreement (BCA) and August 2021 BCA Amendment.

This SRDIR presents environmental data and findings from a Supplemental Remedial Design Investigation (SRDI) completed by Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C. (Langan) between December 14 and December 29, 2021. The investigation was conducted in accordance with the NYSDEC-approved December 2, 2021 Supplemental Remedial Design Investigation Work Plan (SRDIWP); Title 6 of the New York Codes, Rules and Regulations (6 NYCRR) Part 375-1, 3.8, 6.8 (Part 375); NYSDEC Division of Environmental Remediation (DER) Program Policy: Technical Guidance for Site Investigation and Remediation (DER-10); the NYSDEC June 2021 Sampling for 1,4-Dioxane and Per-and Polyfluoroalkyl Substances Guidance Document (Emerging Contaminant Guidance Document); and the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006, with updates in 2017.

The objectives and goals of the SRDI were to:

- Evaluate surficial soil quality to inform design of the site-wide cover system
- Evaluate soil vapor within the proposed building footprints to inform design of soil vapor mitigation
- Investigate and characterize the nature and extent of emerging contaminants (per-and polyfluoroalkyl substances (PFAS) and 1,4-dioxane
- Generate sufficient data to prepare a Supplemental Remedial Design Work Plan (SRDWP) to be implemented concurrently with site redevelopment

Sufficient analytical data was gathered during the SRDI, together with previous studies, to achieve the objectives and goals of this SRDI. Additional data will be gathered during waste characterization sampling.

DRAFT

2.0 SITE BACKGROUND

2.1 Site Description

The site is located at 459 Smith Street in the Carroll Gardens neighborhood of Brooklyn, NY. The site occupies a total upland area of 169,713.48 square feet (about 3.90 acres) and is identified as Block 471, Lot 200 on the Kings County Tax Map. The total tax parcel area occupies 164,864.54 square feet or 3.78 acres. The site is currently in the process of a tax lot subdivision, which proposes the division of Block 471, Lot 200 into four smaller lots (Lots 200, 205, 210, and 215). The site elevation ranges from about el 9 and 10 feet (North American Vertical Datum of 1988 [NAVD88]) along the Gowanus Canal to between el 17 and 22 along Smith Street (sloping up from south to north). The site is currently used by National Grid as a staging area for their remediation of the site and adjoining properties, including the Gowanus Canal, and is surrounded by a wooden construction fence and partially improved with asphalt pavement in the southeastern area of the site. The site is bound by the Citizens Manufactured Gas Plant (MGP) BCP site (BCP Site No. C224012) to the north, the Gowanus Canal, a United States Environmental Protection Agency (USEPA) superfund site, to the east, Huntington Street to the south, and Smith Street and an elevated segment of the Metropolitan Transportation Authority – New York City Transit (MTA-NYCT) subway to the west.

The site is located in an urban setting characterized by commercial, industrial, residential, and transportation/utility buildings, as well as vacant lots, construction sites, and open space. Because of the urban nature of the area, major infrastructure (e.g., storm drains, sewers, and underground utility lines) exist in the vicinity of the site.

The New York City Department of Environmental Protection (NYCDEP) Bond-Lorraine sewer transects the site from the southwestern corner to the northeastern corner. A New York City Department of Transit (NYCDOT) mapped street (Nelson Street) transects the site from Smith Street to the northern-adjoining property.

A site location map is included as Figure 1.

2.2 Proposed Development Plan

The purpose of the project is to remediate and redevelop an undeveloped brownfield site into a residential development including affordable housing with ground-floor and second-floor commercial/industrial uses. The proposed redevelopment contemplates 8-story, 21-story, and 30-story mixed-use and residential buildings, approximately 90,000-square feet of open-air space, a new pedestrian walkway, and a new street. The proposed street will continue to transect the site from Smith Street and will be remapped to partially coincide with the extents of the NYCDEP sewer. Based on current development plans, the three proposed buildings will be constructed between the outer extents of the NYCDEP Bond-Lorrain sewer and remapped Nelson Street (formerly 7th Street). A Site Plan is included as Figure 2.

DRAFT

2.3 Site History

The site was occupied by a fertilizer plant from as early as 1886 until some point between 1904 and 1915 when the former Citizens MGP Site on the northern-adjoining property expanded south to include the site. On-site MGP operations continued to expand between 1915 and 1948 and included construction of a tar separator, tar handling facilities, oil storage tanks, and a 1-million-gallon oil tank. The former MGP buildings and structures were demolished in the early 1960s. Circa 1971, the site was redeveloped with manufacturing buildings occupied by Antarenni Industries, Inc. and Vitamaster Industries Inc until circa 2009 when the warehouse was demolished.

2.4 Summary of Previous Environmental Reports

The following 13 previous reports and related documents were reviewed and summarized as part of this SRDIR:

- *Final Remedial Investigation Report, prepared by GEI Consultants (GEI), October 2005*
- *Remedial Alternatives Analysis, prepared by KeySpan Corp. (KeySpan), March 22, 2007*
- *Volunteer Cleanup Program (VCP) Decision Document, prepared by NYSDEC, April 23, 2007*
- *Explanation of Significant Difference, Prepared by the NYSDEC, August 2020*
- *DNAPL Recovery Wells Pilot Test Report and Recovery Program, prepared by GEI, March 28, 2011*
- *Supplemental Design Investigation Report (SDIR) prepared by Arcadis Design and Consultancy (Arcadis), June 17, 2016*
- *100% Remedial Design Report, prepared by Arcadis, November 30, 2017*
- *Remedial Design Addendum No. 1, prepared by Arcadis, February 4, 2019*
- *Remedial Design Addendum No. 2, prepared by Arcadis, February 19, 2019*
- *Remedial Design Addendum No. 3, prepared by Arcadis, October 2, 2019*
- *Remedial Design Addendum No. 4, prepared by Arcadis, February 23, 2020*
- *Remedial Design Addendum No. 5, prepared by Arcadis, July 29, 2021*
- *Remedial Design Addendum No. 6, prepared by Arcadis, August 16, 2021*

Based on review of the previous reports and related documents, a qualitative human health exposure assessment (QHHEA) was performed and remedial action objectives (RAOs) were previously established to support the remedy of the site. The QHHEA, RAOs, and a summary of existing environmental conditions at the site are detailed below.

DRAFT

Qualitative Human Health Exposure Assessment: The Final Remedial Investigation Report (RIR), dated October 2005, included a qualitative human health exposure assessment (QHHEA). The QHHEA identified the presence of complete on-site and off-site exposure pathways under the conditions present at the time of the assessment. The QHHEA did not contemplate remedial or final conditions of the site based on development, but the complete exposure pathways indicate there is a risk of exposure to humans from site contaminants via exposure to soil, groundwater, and soil vapor if institutional controls (IC) and engineering controls (EC) are not implemented. Complete exposure pathways have the following five elements: 1) a contaminant source; 2) a contaminant release and transport mechanism; 3) a point of exposure; 4) a route of exposure; and 5) a receptor population.

Remedial Action Objectives

The March 2007 Remedial Alternatives Analysis identified the following remedial action objectives (RAOs) for the protection of human health and the environment:

Soil

- Prevent, to the extent practicable, ingestion/direct contact with contaminated soil.
- Recover, to the extent practicable, dense non-aqueous phase liquid (DNAPL) tar at the site.

Groundwater

- Prevent, to the extent practicable, contact with, or ingestion of contaminated groundwater associated with the site.
- Prevent, to the extent practicable, the migration of contaminated groundwater from the site.
- Remove, to the extent practicable, the source of groundwater contamination.

Indoor Air

- Prevent, to the extent practicable, inhalation of contaminants volatilizing from soil or groundwater into closed structures.

Decision Document and Explanation of Significant Difference

The 2007 Decision Document (DD) described the approved remedy, which included:

1) Removal of tar-contaminated MGP structures and heavily contaminated soil immediately surrounding them
2) Removal of contaminated soil to a depth of about 8 feet below grade surface (bgs) across the site
3) Restoration of excavation areas to existing site grade

DRAFT

4) Installation of a subsurface barrier wall (e.g., bulkhead) along the Gowanus Canal
5) Installation of the tar recovery wells and removal of mobile tar
6) Development of a Site Management Plan (SMP) to manage the institutional and engineering controls placed on the site, including:
    a. Proper management and disposal of residual contaminated soils encountered during future excavation activities in accordance with NYSDEC regulations
    b. Evaluation of the potential for soil vapor intrusion for any future buildings, including development of provisions for mitigation, if warranted
    c. Establishment of operation and maintenance protocols for the components of the remedy
    d. Procedures for documentation and monitoring of groundwater and
    e. Identification of use restrictions on site development or groundwater use
7) Requirement of the SMP to provide periodic certification to verify that the institutional and engineering controls remain unchanged and remain in compliance with the SMP
8) Establishment of an institutional control in the form of an environmental easement or deed restriction that would require:
    a. Compliance with the approved SMP
    b. Limitations for the use and development of the property to restricted residential use
    c. Restriction of the use of groundwater and
    d. Completion and submission of an institutional and engineering control certification to the NYSDEC.

The August 2020 Explanation of Significant Difference documented that the site-wide excavation of soil to a depth of 8 feet was not necessary in accordance with the approved 100% Remedial Design and based on the results of additional investigation work undertaken after the issuance of the DD. The Explanation of Significant Difference also documented the requirement for the installation of a site cover to allow for restricted-residential use of the site in areas where the upper two feet of exposed surface soil will exceed the applicable soil cleanup objectives (SCOs). Following the completion of the remediation a Final Engineering Report and SMP will be developed for the site.

<u>Environmental Conditions</u>

Environmental conditions summarized in this section are based on the information provided in the above-listed reports. Fill was observed from surface grade to about 5 to 18 feet below grade

DRAFT

surface (bgs). The fill was underlain by layers of alluvial/marsh deposits consisting of sub-units of sand (alluvial), silt, silty sand, silt-clay, clay, and peat. Glacial deposits were encountered beneath the alluvial/marsh deposits (where present). The glacial deposits were generally characterized as a sandy glacial outwash with inter-bedded layers of glacial till. An isolated layer of clay was encountered within the glacial outwash. Beneath the glacial deposits was a layer of dense, gray to dark gray Gardiner's Clay with trace silt and trace shells. Underlying the Gardiner's Clay is a layer of Jameco Gravel, which consists of loose, non-cohesive, and well-sorted coarse sand and fine to coarse gravel and cobbles. Bedrock was not encountered on site during the investigations but was encountered in a boring on the adjoining parcel at 146 feet bgs. Bedrock is considered to be a mica schist and quartz-feldspar granulite, with localized intrusions of granite and pegmatite classified as the Hartland Formation.

Petroleum and MGP-related impacts were observed throughout the subsurface of the site and are discussed below:

Soil

- Volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs), and metals were detected at concentrations above NYSDEC New York Codes, Rules, and Regulations (6NYCRR) Part 375 Unrestricted Use (UU) and Restricted Residential Use (RURR) SCOs.
- Fuel oil impacts and tar-saturated soil related to the former MGP operations were observed throughout the site at depths ranging from 8 to 94 feet bgs.

Groundwater

- VOCs, SVOCs, pesticides, and metals were detected at concentrations above the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards and Guidance Values (SGVs) for Class GA groundwater.
- DNAPL related to the tar separator and tar storage on the former MGP site was observed in monitoring and recovery wells at depths ranging from 10 to 102 feet bgs.
- Light non-aqueous phase liquid (LNAPL) related to oil storage on the former MGP site was observed in one shallow recovery well.

Soil Vapor

Petroleum-related and chlorinated VOCs were detected in the six sub-slab soil vapor samples that were collected. Total benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations ranged from 2,093 micrograms per cubic meter (µg/m^3) to 12,052 µg/m^3. Four (, cis-1,2-dichloroethene, tetrachloroethene (PCE), trichloroethene (TCE), and vinyl chloride) of the eight VOCs listed in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in New York State Soil

DRAFT

Vapor/Indoor Air Decision Matrices were detected above the minimum concentrations recommending mitigation.

- cis-1,2-dichloroethene was detected at a maximum concentration of 32 µg/m^3
- PCE was detected at a maximum concentrations of 224 µg/m^3
- TCE was detected at a maximum concentrations of 81 µg/m^3
- Vinyl chloride was detected at a maximum concentrations of 181 µg/m^3

Remediation Work Scope

As part of the remedial design plan, the remedial activities include the installation of a bulkhead barrier wall, excavation of MGP impacted soil, installation of recovery wells, and restoration of excavations to the original site grade.

2.5 Geology

The USGS "Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey" indicates that the bedrock underlying the site is part of the Hartland Formation. During the 2005 remedial investigation by GEI Consultants, Inc., fill was identified from surface grade to about 8 to 15 feet bgs across the site, and predominately consisted of loose, non-cohesive silt, sand, and gravel with brick, concrete, coal, wood, metal, ash, slag, and clinkers. Alluvial/Marsh deposit generally consisting of grey to brown clay, silt and organic silts was observed beneath the fill layer. Glacial till generally consisting of brown, fine to medium sand with varying amounts of silt, clay, and gravel was observed beneath the alluvial/marsh deposit.

2.6 Hydrology

The groundwater flow direction for the area surrounding the site is tidally influenced. Shallow, intermediate, and deep groundwater flow was measured to the south-southwest. Groundwater underlying the site was observed at elevations ranging from about el 7 to 0.

DRAFT

3.0 SUPPLEMENTAL REMEDIAL DESIGN INVESTIGATION

The SRDI was performed between December 14 and 29, 2021 to supplement previous investigations by further investigating and characterizing the nature and extent of environmental impacts to establish remedial measures necessary to comply with the DD, Explanation of Significant Difference document, and to facilitate redevelopment. The SRDI scope was developed to evaluate surficial/shallow soil quality, sample for emerging contaminants in soil and groundwater, and to evaluate soil vapor quality within the footprints of the proposed buildings. The investigation was conducted in accordance with NYSDEC DER-10 and the Emerging Contaminant Guidance Document and included the following:

- Advancement of 15 soil borings (EP01 through EP15) to depths ranging from 7 to 20 feet bgs
- Collection of up to three soil samples from each soil boring, for a total of 31 soil samples (plus quality assurance/quality control [QA/QC] samples) for laboratory analysis
- Installation and development of four on-site groundwater monitoring wells
- Collection of one groundwater sample from each of the four newly installed monitoring wells and from four previously installed monitoring wells (plus QA/QC samples) for laboratory analysis
- Installation of eight temporary soil vapor points to at least 2 feet above the groundwater table
- Collection of one soil vapor sample from each soil vapor point for laboratory analysis

SRDI sample locations are shown on Figure 2 and surveyed boring locations are provided as Attachment H.

3.1 Soil Investigation

3.1.1 Drilling and Logging

Under Langan supervision, AARCO Environmental Services Corp. (AARCO) advanced 15 soil borings (EP01 through EP15) between December 14 and 17, 2021. Soil borings were advanced to between 7 and 20 feet bgs using a Geoprobe® 7822DT direct-push drill rig from the ground surface to the boring termination depth. The direct-push drill rig was equipped with a Macro-Core sampler with 4-foot-long acetate liners. Langan field personnel documented the work, screened soil borings for environmental impacts, and collected soil samples for laboratory analyses. Soil was screened continuously to the boring termination depth for organic vapors with a photoionization detector (PID) equipped with a 10.6 eV lamp and for visual and olfactory evidence of environmental impacts (e.g., staining and odor). Soil was visually classified for color, grain size, texture, and moisture content, and was recorded in a field log. Soil boring logs documenting these observations are included in Attachment B.

DRAFT

After collecting soil samples, borings that were not converted into groundwater monitoring wells were backfilled with soil cuttings that did not exhibit evidence of impacts or with clean No. 2 sand and were finished with cement or asphalt to match the surrounding grade.

3.1.2 Soil Sampling and Analysis

Two soil samples were collected from each boring location. One sample was collected from surficial soil (between 0 and 2 feet bgs) and one sample from the groundwater interface. One additional soil sample was collected from soil boring EP05 at a depth of 2 to 3 feet bgs, where sheen was observed in the recovered soil. Soil samples were collected in laboratory-supplied containers and were sealed, labeled, placed in an ice-chilled cooler (to maintain a temperature of about 4ºC), and transported via courier service to York Analytical Laboratories Inc. (York). York is a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory located in Richmond Hill, NY (ELAP No. 12058).

Soil samples collected from the surficial soil interval (0 to 2 feet bgs) were analyzed for:

- NYSDEC Part 375 VOCs by USEPA Methods 8260C/5035;
- NYSDEC Part 375 SVOCs by USEPA Method 8270D;
- NYSDEC Part 375 polychlorinated biphenyls (PCB) by USEPA Method 8082A;
- NYSDEC Part 375 pesticides and herbicides by USEPA Methods 8081B and 8151A, respectively;
- NYSDEC Part 375 and target analyte list (TAL) metals (including cyanide, hexavalent and trivalent chromium) by USEPA Methods 6010C, 9012B, and 7196A, respectively;
- PFAS (21-compound list) by USEPA Method 537; and
- 1,4-dioxane by USEPA Method 8270SIM

Soil samples collected from the groundwater interface were analyzed for:

- PFAS (21-compound list) by USEPA Method 537; and
- 1,4-dioxane by USEPA Method 8270SIM

One additional soil sample was collected from soil boring EP05 at the 2 to 3 foot interval, where a sheen was observed within the soil column, and analyzed for:

- NYSDEC Part 375 VOCs by USEPA Methods 8260C/5035;
- NYSDEC Part 375 SVOCs by USEPA Method 8270D;

A sample collection summary is provided in Table 1.

Work complied with the safety guidelines outlined in the Health and Safety Plan (HASP) included in the SRDIWP. Langan performed air monitoring in accordance with the Community Air

DRAFT

Monitoring Plan (CAMP) during intrusive activities for continuous perimeter monitoring of dust and organic vapor using DustTrak aerosol monitors and PIDs capable of recording data and calculating 15-minute averages. CAMP data summaries are provided as Attachment A.

3.2 Groundwater Investigation

3.2.1 Monitoring Well Installation and Development Methodology

Under Langan supervision, AARCO installed four permanent groundwater monitoring wells between December 15 and 17, 2021 by converting soil borings EP02, EP05, EP14 and EP15 to permanent groundwater monitoring wells 459-MW02, 459-MW05, 459-MW14 and 459-MW15, respectively. Monitoring well locations are shown on Figure 2. The monitoring wells were constructed with 2-inch-diameter, 0.02-inch-slotted schedule-40 polyvinyl chloride (PVC) screens, straddling the groundwater interface, followed by schedule-40 PVC risers to the surface. The annulus of the borehole was backfilled to about 1 to 2 feet above the screened interval using No. 2 filter sand, followed by a 6-inch-thick to 1-foot-thick hydrated bentonite seal and No. 2 sand to surface grade. The wells were finished with an expanding well plug and flush-mounted steel manhole cover set in place with Portland cement. After installation, the wells were developed to remove sediments and prevent fines from blocking the well screen. The wells were developed using a submersible whale pump to surge the wells while simultaneously pumping until the purged groundwater was no longer turbid. Monitoring well construction and development logs are included in Attachment C.

3.2.2 Groundwater Sampling and Analysis

Newly installed monitoring wells were sampled at least one week after development. Prior to sampling, the headspace of each monitoring well was screened with a PID. Monitoring wells were sampled in general accordance with the USEPA's low-flow groundwater sampling procedure to allow for collection of a representative sample ("Low Stress [low flow] Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells, "EQASOP-GW 001, January 19, 2010). Before collecting samples, Langan personnel purged groundwater from each well until groundwater parameters (pH, conductivity, turbidity, dissolved oxygen [DO], temperature, and oxidation-reduction potential [ORP]) stabilized. Due to poor recharge observed in monitoring wells 459-MW15 and CGMW38, monitoring of water quality parameters was discontinued and groundwater samples were collected after allowing the wells to refill. Monitoring wells were purged and groundwater samples were collected using a peristaltic pump connected to dedicated high-density polyethylene (HDPE) tubing. Groundwater sampling logs are included in Attachment D. Purged groundwater was containerized in two labeled 55-gallon steel drums in preparation for future off-site disposal.

Samples were collected from four existing groundwater monitoring wells (CGMW36, CGMW37, CGMW38 and CGMW39) and four newly installed groundwater monitoring wells (459-MW02,

DRAFT

459-MW05, 459-MW14 and 459-MW15), and were analyzed for emerging contaminants, including 1,4-dioxane and PFAS (21 compounds) via SW-846 Method 8270D-SIM and USEPA Method 537M, respectively.

The samples were collected in laboratory-supplied containers and were sealed, labeled, placed in an ice-chilled cooler (to maintain a temperature of about 4ºC), and transported via courier service to York for analysis. A sample collection summary is provided in Table 1.

3.3 Soil Vapor Investigation

Eight soil vapor points (SV01 through SV08) were installed on December 15 and 16, 2021 using a Geoprobe® 7822DT direct-push drill rig from the ground surface to depths ranging from about 1.5 feet to 8 feet bgs (at least 2 feet above the observed groundwater table) in accordance with the October 2006 NYSDOH Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (and subsequent updates). Soil vapor sample locations were chosen to coincide with the footprint of future buildings. Soil vapor sample locations consisted of the installation of a 2-inch-long polyethylene screen implant threaded into 1/4-inch Teflon tubing extending to the surface. After the sampling points were placed, boreholes were backfilled with clean sand around the implants, immediately followed by hydrated bentonite seals to prevent ambient air infiltration.

The seal integrity was checked before and after sample collection using a helium tracer gas test. The helium gas tracer test is a QA/QC measure to confirm the integrity of the implant seals by evaluating if ambient air intrusion will impact the soil vapor sample. None of the soil vapor sample locations failed the helium tracer gas test, indicating that the seals were intact. Prior to sample collection, a minimum of three probe assembly volumes of air were purged using a MultiRAE gas monitor, calibrated for a flow rate of 0.2 liters per minute (L/min). Following purging, the soil vapor samples were drawn through the polyethylene tubing into laboratory-supplied 6-liter Summa® canisters under vacuum pressure and equipped with flow regulators calibrated for a two-hour sampling period. The Summa® canisters were transported via courier service to York for analysis of VOCs by USEPA Method TO-15. Soil vapor construction and sampling logs are provided in Attachment E.

3.4 Quality Assurance and Quality Control Sampling

QA/QC samples were collected for laboratory analysis in accordance with the Quality Assurance Project Plan (QAPP) included in the SRDIWP. Collected QA/QC samples are detailed below and in Table 1.

<u>Soil Samples</u>

- Two field duplicate samples analyzed for Part 375 VOCs, SVOCs, PCBs, TAL Metals (including cyanide and hexavalent and trivalent chromium), pesticides, herbicides, PFAS and 1,4-dioxane

DRAFT

- Two matrix spike/matrix spike duplicate (MS/MSD) sample sets
- Two field blank samples analyzed for Part 375 VOCs, SVOCs, PCBs, TAL Metals (including cyanide and hexavalent and trivalent chromium), pesticides, herbicides, PFAS and 1,4-dioxane
- Three field blank samples analyzed for PFAS

Groundwater Samples

- One field duplicate sample analyzed for PFAS and 1,4-dioxane
- One MS/MSD sample set
- Two field blank samples analyzed for PFAS;

Field duplicates were collected to assess the precision of the analytical methods relative to the sample matrix. Duplicates were collected from the same material as the primary sample by splitting the volume of homogenized sample collected in the field into two sample containers.

Field blanks were collected to determine the cleanliness of unused tubing, neoprene glove and acetate liners used to collected groundwater and/or soil samples. Field blank samples consisted of deionized, distilled, and/or PFAS-free water provided by the laboratory that passed through the sampling apparatus and were analyzed for the same list of analytes as the corresponding sampling event and sample matrix. QA/QC sample analytical results are included as Table 5.

3.5 Data Validation

Laboratory analysis of soil, groundwater and soil vapor samples were conducted by an NYSDOH ELAP-certified laboratory in accordance with USEPA SW-846 methods and analytical data was reported consistent with the NYSDEC Analytical Services Protocol (ASP) Category B deliverable format. Environmental data was reported electronically using the database software application Environmental Quality Information Systems (EQuIS) as part of the NYSDEC's Environmental Management System (EIMS).

QA/QC procedures required by the NYSDEC ASP and SW-846 methods, including initial and continuing instrument calibrations, surrogate compound spikes, and analysis of other samples (blanks, laboratory control samples and MS/MSD) were followed.

The laboratory provided clean sample containers, which were preserved in accordance with the SW-846 methods. Where there were differences in the SW-946 and NYSDEC ASP requirements, the NYSDEC ASP took precedence.

Data validation was performed in accordance with the USEPA Region 2 Standard Operating Procedures (SOPs) for data validation and USEPA's National Functional Guidelines for Organic and Inorganic Data Review. Validation included the following:

DRAFT

- Verification of QC sample results (both qualitative and quantitative);
- Verification of sample results (both positive hits and non-detects);
- Preparation of Data Usability Summary Report (DUSRs);

Laboratory analytical results from the SRDI were reported in the ASP Category B deliverable format and validated by Mr. Joe Conboy of Langan, a qualified data validator.

Data Usability Summary Reports

A DUSR was prepared for each sampling matrix. The DUSRs present the results of the data validation, including a summary assessment of laboratory data packages, sample preservation and chain-of-custody procedures, and a summary assessment of precision, accuracy, representativeness, comparability, and completeness for each analytical method. The following items were assessed for all samples collected during the SRDI:

- Holding times;
- Sample preservation;
- Blank results (method, field and trip blanks);
- Surrogate recovery compounds
- Laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) recoveries and relative percent difference (RPD) values;
- MS/MSD recoveries and RPD values;
- Laboratory duplicate RPD values;
- Field duplicate RPD values;

Based on the results of data validation, the following qualifiers were assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

- "U" – The analyte was analyzed for, but was not detected at a level greater than or equal to the reporting limit (RL), or the sample concentration results were impacted by blank contamination.
- "UJ" – The analyte was not detected at a level greater than or equal to the RL; however the reported RL is approximate and may be inaccurate or imprecise.
- "J" – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- "R" – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.

DRAFT

- "NJ" – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
- No Flag – The results are accepted without qualification.

The data were determined to be acceptable; however; minor deficiencies were identified and are summarized in the DUSRs. Completeness, defined as the percentage of analytical results that are judged to be valid, is 100%. The data are considered usable, as qualified. Copies of the DUSRs are provided in Attachment G.

DRAFT

4.0 FIELD OBSERVATIONS AND ANALYTICAL RESULTS

4.1 Soil Findings

4.1.1 Field Observations

The site stratigraphy consists of fill, characterized as brown to black sand, with varying amounts of silt, clay, gravel, brick, concrete, coal, plastic, slag and wood. The fill is underlain by a native clay layer, which was encountered in soil borings EP06, EP07, and EP08 at depths between 14.2 and 14.5 feet bgs. Refusal was encountered during drilling activities at soil borings EP09 and EP10 at depths of 7 feet and 10 feet bgs, respectively.

Petroleum-like impacts, evidenced by odors, staining and/or PID readings above background levels were apparent in 10 of 15 soil borings. Coal tar-like impacts, including staining, tar-like odor, and elevated PID readings, were observed in soil boring EP02 between 14 and 16 feet bgs, within the observed water table. The following table presents the approximate observed fill interval, the highest recorded PID readings in parts per million (ppm) and depth, and the associated field observations at the locations where petroleum-like impacts were observed:

Soil Boring ID	Observed Fill Interval (feet bgs)	Groundwater Depth* (feet bgs)	Impacted Interval (feet bgs)	Max PID reading and Depth (ppm)	Field Observations
EP01	0 – 16	6.0	11.5 – 16	723.0 ppm (13.5 feet bgs)	Petroleum-like odors and black staining
EP02	0 – 16	5.5	14 – 16	3,135 ppm (15 feet bgs)	Coal tar-like odors and black staining
EP03	0 – 16	3.0	11 – 12	50.1 ppm (11.5 feet bgs)	Petroleum-like odors and black staining
EP05	0 – 12	7.5	3.5 – 12	642.2 ppm (9.5 feet bgs)	Petroleum-like odors, black staining and sheen
EP06	0 – 14.5	10.0	7 – 16	1,083.0 ppm (13 feet bgs)	Petroleum-like odors
EP07	0 – 14.5	10.0	10 – 16	1,503 ppm (16 feet bgs)	Petroleum-like odors and black staining
EP08	0 – 14.2	9.0	9 – 14	697 ppm (9 feet bgs)	Petroleum-like odors and black staining
EP12	0 – 20	9.0	14 – 20	0.4 ppm (14.5 feet bgs)	Black staining without odor
EP13	0 – 12	8.5	7 – 12	15.5 ppm (11 feet bgs)	Elevated PID readings
EP15	0 – 16	8.0	5 – 12	518.6 ppm (10.5 feet bgs)	Petroleum-like odors and black staining

*Reported groundwater depth corresponds to depth of saturated soil in soil boring recovery.

Soil boring logs with field observations are included as Attachment B.

DRAFT

4.1.2 Soil Analytical Results

Soil sample analytical results were compared to the NYSDEC Title 6 of the Official Compilation of NYCRR Part 375 UU SCOs and RURR SCOs. No SCOs currently exist for PFAS. Perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) concentrations were compared to the NYSDEC guidance document "Sampling, Analysis and Assessment of PFAS under NYSDEC's Part 375 Remedial Programs", dated June 2021. Soil sample analytical results are provided as Table 2 and Figure 3. The laboratory analytical report is provided in Attachment F.

VOCs

VOCs were not detected above UU or RURR SCOs in soil samples collected from the shallow interval. Four petroleum-related VOCs were detected at concentrations exceeding the UU and/or RURR SCOs in the additional sample collected from the 2 to 3 foot interval in soil boring EP05 (concentrations above RURR SCOs are shown in **bold**):

- 1,3,5-Trimethylbenzene (30 milligrams per kilogram [mg/kg])
    - RURR SCO: 52 mg/kg, UU SCO: 8.4 mg/kg
- Benzene (**8.5** mg/kg)
    - RURR SCO: 4.8 mg/kg; UU SCO: 0.06 mg/kg
- n-Propylbenzene (6.7 mg/kg)
    - RURR SCO: 100 mg/kg; UU SCO: 3.9 mg/kg
- Toluene (12 mg/kg)
    - RURR SCO: 100 mg/kg; UU SCO: 0.7 mg/kg

SVOCs

One or more of 13 SVOCs were detected at concentrations exceeding the UU and/or RURR SCOs in 12 soil samples (including duplicate samples) collected from the shallow interval and from the additional sample collected from soil boring EP05, as summarized in the following table (the number of detections above criteria follow each SVOC in parentheses, and the detected concentrations that exceed RURR SCOs are shown in **bold**):

Analyte (exceedances)	Min. Concentration above SCOs (mg/kg)	Max. Concentration above SCOs (mg/kg)	UU and RURR SCOs (mg/kg)
Acenaphthene (1)	**111** in EP05_2-3		UU: 20 RURR: 100
Benzo(a)anthracene (11)	**1.06** in SODUP02_121521 (EP05_0-2)	**59.2** in EP05_2-3	UU: 1 RURR: 1

DRAFT

Analyte (exceedances)	Min. Concentration above SCOs (mg/kg)	Max. Concentration above SCOs (mg/kg)	UU and RURR SCOs (mg/kg)
Benzo(a)pyrene (11)	**1.31** in SODUP02_121521 (EP05_0-2)	**51.9** in EP05_2-3	UU: 1 RURR: 1
Benzo(b)fluoranthene (10)	**1.26** in EP09_0-2	**23.3** in EP05_2-3	UU: 1 RURR: 1
Benzo(k)fluoranthene (11)	0.895 in SODUP02_121521 (EP05_0-2)	**28.7** in EP05_2-3	UU: 0.8 RURR: 3.9
Chrysene (11)	1.07 in SODUP02_121521 (EP05_0-2)	**69.7** in EP05_2-3	UU: 1 RURR: 3.9
Dibenz(a,h)anthracene (10)	**0.354** in SODUP01_121521 (EP14_0-2)	**8.51** in EP05_2-3	UU: 0.33 RURR: 0.33
Dibenzofuran (1)	12.6 in EP05_2-3		UU: 7 RURR: 59
Fluorene (1)	**131** in EP05_2-3		UU: 30 RURR: 100
Indeno(1,2,3-cd)pyrene (13)	**0.503** in EP12_0-2	**16.5** in EP05_2-3	UU: 0.5 RURR: 0.5
Naphthalene (2)	47.8 in EP05_0-2	**345** in EP05_2-3	UU: 12 RURR: 100
Phenanthrene (1)	**241** in EP05_2-3		UU: 100 RURR: 100
Pyrene (1)	**138** in EP05_2-3		UU: 100 RURR: 100

Pesticides, Herbicides, and PCBs

Pesticides and herbicides were not detected.

One PCB (PCB-1260) was detected in a duplicate sample (SODUP02_121521) originating from soil sample EP05_0-2, but at a concentration below the UU and RURR SCOs.

Metals

One or more of eight metals were detected at concentrations exceeding the UU and/or RURR SCOs in 17 soil samples (including duplicate samples) collected from the shallow interval, as summarized in the following table (the number of detections above criteria follow each metal in parentheses, and the detected concentrations that exceed RURR SCOs are shown in **bold**):

Analyte (exceedances)	Min. Concentration above SCOs (mg/kg)	Max. Concentration above SCOs (mg/kg)	UU and RURR SCOs (mg/kg)
Arsenic (3)	15.2 in SODUP02_121521 (EP05_0-2)	**19.8** in EP15_0-2	UU: 13 RURR: 16

DRAFT

Analyte (exceedances)	Min. Concentration above SCOs (mg/kg)	Max. Concentration above SCOs (mg/kg)	UU and RURR SCOs (mg/kg)
Cadmium (1)	2.51 in EP10_0-2		UU: 2.5 RURR: 4.3
Copper (7)	78.4 in EP01_0-2	153 in EP09_0-2	UU: 50 RURR: 270
Lead (14)	68.4 in EP15_0-2	**583** in EP03_0-2	UU: 63 RURR: 400
Mercury (15)	0.262 in EP02_0-2	**3.85** in EP07_0-2	UU: 0.18 RURR: 0.81
Nickel (4)	30.5 in EP03_0-2	36.1 in SODUP02_121521 (EP05_0-2)	UU: 30 RURR: 310
Selenium (2)	4.15 in EP05_0-2	16.9 in EP11_0-2	UU: 3.9 RURR: 180
Zinc (11)	118 in EP14_0-2	234 in EP04_0-2	UU: 109 RURR: 10,000

PFAS and 1,4-Dioxane:

1,4-Dioxane was not detected in any soil samples.

One or more of ten of the NYSDEC 21-list PFAS compounds were detected in 15 soil samples. PFOA was not detected in any soil samples and PFOS was detected at concentrations below the UU (0.00088 mg/kg) and RURR (0.044 mg/kg) guidance values. Detected concentrations of PFOS ranged from 0.000284 mg/kg in sample EP06_9-11 to 0.00065 mg/kg in sample EP14_0-2. Soil sample analytical results are summarized in Table 2.

4.2 Groundwater Findings

4.2.1 Field Observations

Before sampling, Langan personnel screened well headspaces with a PID. PID readings were detected from 0.0 to 35.3 ppm (maximum in monitoring well 459-MW15). During initial purging of groundwater, petroleum-like odor and/or a sheen were apparent in groundwater monitoring wells 459-MW02, 459-MW05, 450-MW15, and CGMW37. Following sample collection, monitoring wells were gauged for light non-aqueous phase liquid (LNAPL) and depth to water with an oil-water interface probe. Groundwater was encountered between 5.50 and 8.58 feet bgs and LNAPL was not encountered in any of the wells. Monitoring well construction logs are included in Attachment C and groundwater sampling logs are included in Attachment D.

4.2.2 Groundwater Analytical Results

Groundwater samples were collected and analyzed for 1,4-dioxane and PFAS. Groundwater sample analytical results were compared to the guidance values included in the NYSDEC

DRAFT

guidance document "Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances under NYSDEC's Part 375 Remedial Programs", dated June 2021.

1,4-Dioxane was not detected in any groundwater samples. One or more of eleven of the NYSDEC 21-compound list of PFAS were detected in each groundwater sample. PFOA was detected at a concentration exceeding the NYSDEC guidance value in six of eight groundwater samples, ranging from 0.0172 µg/L in CGMW39 to 0.0431 µg/L in CGMW36. Groundwater sample analytical results are summarized in Table 3 and Figure 4. Laboratory analytical results are provided as Attachment F.

4.3 Soil Vapor Findings

4.3.1 Soil Vapor Analytical Results

Eight soil vapor samples were collected and submitted for laboratory analysis for USEPA TO-15 VOCs. Petroleum-related VOCs, including benzene, ethylbenzene, xylene, and/or toluene (BTEX), were detected in all eight soil vapor samples collected across the site. Concentration ranges for the detected petroleum-related VOCs are provided below:

- Benzene: 10.7 µg/m^3 in SV03 to 3,330 µg/m^3 in SV05;
- Ethylbenzene: 6.67 µg/m^3 in SV01 to 6,050 µg/m^3 in SV07;
- Total Xylenes: 17.14 µg/m^3 in SV01 to 2,074 µg/m^3 in SV06; and
- Toluene: 5.79 µg/m^3 in SV03 to 340 µg/m^3 in SV05.

One or more chlorinated VOCs (CVOCs), including 1,1,1-tricholoroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, methylene chloride, PCE, TCE, and vinyl chloride, were detected in each soil vapor sample with the exception of SV04 and SV05. Concentration ranges for the detected CVOCs are provided below:

- 1,1,1-tricholoroethane: 4.61 µg/m^3 in SV02 to 12.3 µg/m^3 in SV01;
- 1,1-dichloroethene: 0.676 µg/m^3 in SV01;
- Cis-1,2-dichloroethene: 2.01 µg/m^3 in SV02 to 946 µg/m^3 in SV01;
- Methylene Chloride: 2.84 µg/m^3 in SV01 to 7.11 µg/m^3 in SV03;
- PCE: 3.25 µg/m^3 in SV08 to 25,100 µg/m^3 in SV01;
- TCE: 2.02 µg/m^3 in SV08 to 1,900 µg/m^3 in SV01; and
- Vinyl Chloride: 43.2 µg/m^3 in SV03.

A summary of soil vapor analytical results is provided in Table 4 and Figure 5.

DRAFT

5.0 CONCLUSIONS

The SRDI was implemented between December 14 and December 29, 2021 in accordance with the NYSDEC-approved December 2, 2021 SRDIWP. The findings of the SRDI summarized herein are based on qualitative (field observations and instrumental readings) and quantitative (laboratory analytical results) data. The analytical data generated were determined to be 100% acceptable for soil, groundwater, and soil vapor samples by validation. The SRDI findings and conclusions are as follows:

1. Surficial Soil Quality

   SVOCs and/or metals were detected at concentrations exceeding the UU and RURR SCOs in each sample collected from the surficial soil (within the 0 to 2 foot bgs interval), which demonstrates that the existing cover is not appropriate for use as long-term engineering control. Based on current development plans, a site-wide composite cover system should be installed for consistency with the planned use of the site.

2. Emerging Contaminants (PFAS and 1,4-dioxane)

   PFAS-impacted groundwater was identified at the site. No historical use consistent with PFAS use was identified for the site. Based on the evaluation of the soil guidance values, per the Emerging Contaminant Guidance Document, no on-site source of PFAS was identified. PFAS detections in groundwater are likely a regional groundwater quality condition.

3. Soil Vapor Quality

   Petroleum-related VOCs and chlorinated solvents were identified in the 6 out of 8 soil vapor samples collected within the footprints of the proposed buildings. Consistent with the Decision Document, this evaluation of potential soil vapor intrusion confirms vapor mitigation (e.g., subslab depressurization and gas vapor barrier systems) should be incorporated into future building design.

The QHHEA included in the 2005 RIR did not contemplate remedial or final conditions at the site based on site development. During remediation and/or development, sources of contamination are the same as listed in the QHHEA; however in the absence of ICs and ECs, the points of exposure change due to disturbed and exposed soil during excavation, dust and organic vapors generated during excavation, and contaminated groundwater that may be encountered during excavation and/or localized dewatering operations. The implementation of appropriate health and safety measures during construction and remediation, such as air monitoring, using vapor and dust suppression measures, cleaning trucks prior to exiting the site to prevent off-site soil tracking, maintaining site security, and wearing the appropriate personal protective equipment (PPE) will mitigate potential exposure pathways during remediation and/or development.

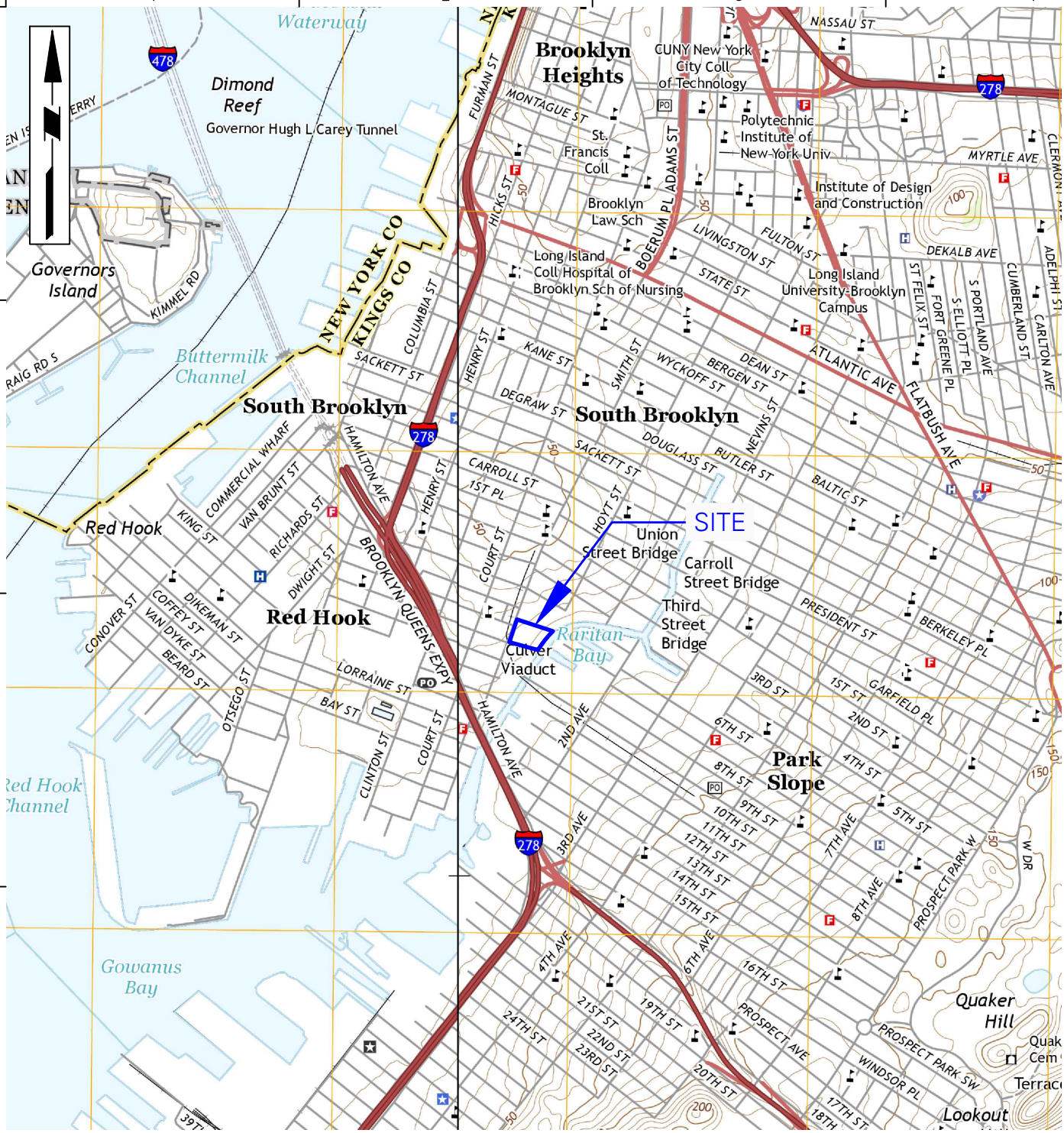
DRAFT

The RAOs established in the March 2007 Remedial Alternatives Analysis remain protective of human health and the environment. Installation of a site-wide composite cover system and a vapor mitigation system below future buildings in conjunction with the development of ICs and ECs within a site management plan are expected to achieve the established RAOs.

Sufficient analytical data were gathered during the SRDI, together with previous studies, to facilitate site redevelopment while maintaining protection of human health and the environment. Remedial elements that will be incorporated in site redevelopment will be described in the forthcoming SRDWP to be prepared in accordance with BCP guidelines.

DRAFT

FIGURES



LEGEND

APPROXIMATE SITE BOUNDARY

NOTES

BASE MAP IS REFERENCED FROM THE UNITED STATES GEOLOGICAL SURVEY (USGS) 7.5 MINUTE SERIES BROOKLYN, N.Y. QUADRANGLE MAP, DATED 2016.

2000 0 1000 2000

SCALE: 1 INCH = 2000 FEET

LANGAN

Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

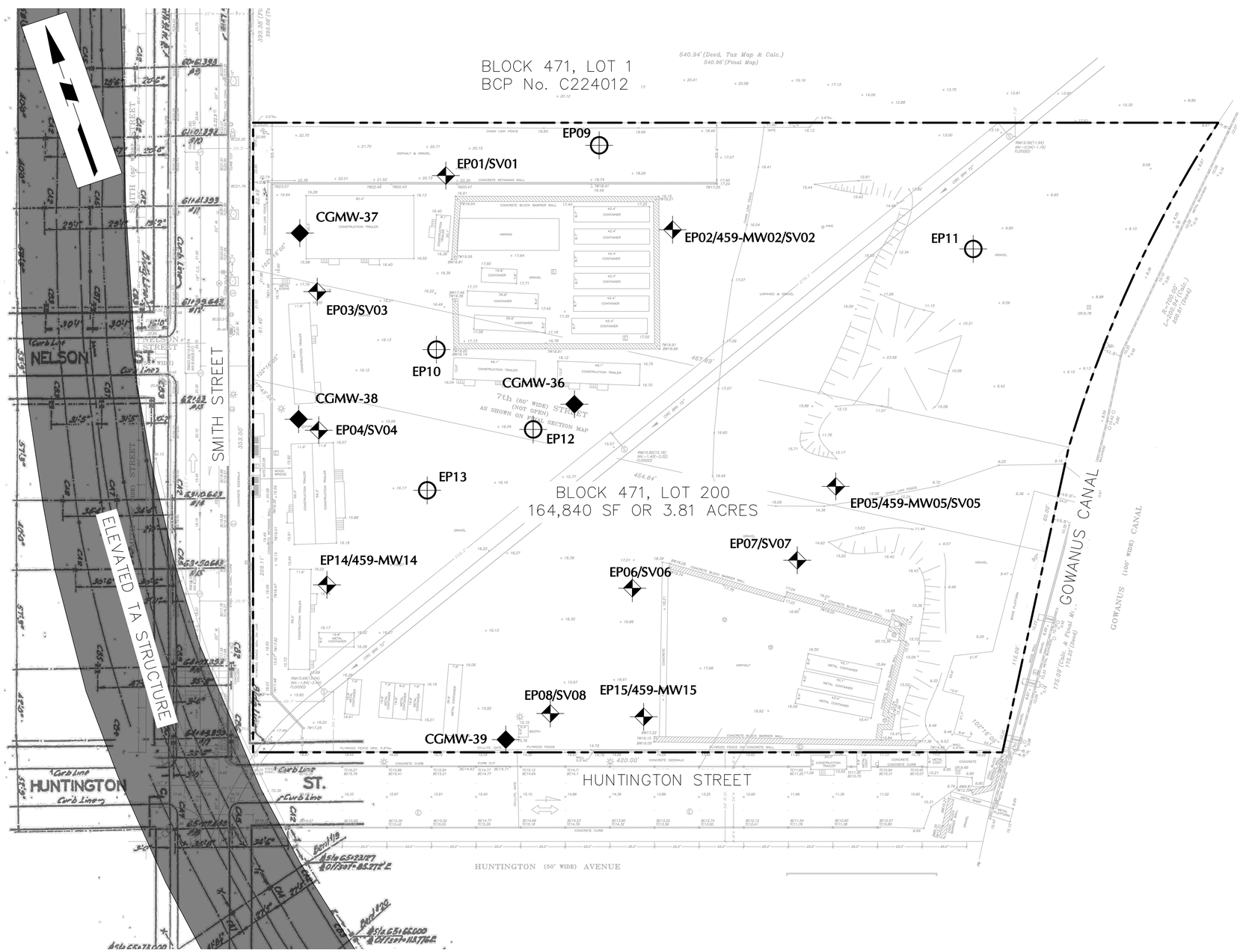
21 Penn Plaza, 360 West 31st Street, 8th Floor
New York, NY 10001

T: 212.479.5400 F: 212.479.5444 www.langan.com

Project	Figure Title	Project No.	Figure No.
459 SMITH STREET NYSDEC BCP No. C224012B BLOCK No. 471, LOT No. 200 BROOKLYN KINGS NEW YORK	SITE LOCATION MAP	170420201	1
		Date 01/17/2022	
		Drawn By MA	
		Checked By PM	Sheet 1 of 5

© 2018 Langan

Filename: \\langan.com\data\NYC\data2\170420201\Cadd Data - 170420201\SheetFiles\Environmental\SRDIR\Figure 1 - Site Location Map.dwg Date: 1/17/2022 Time: 18:50 User: mau Style Table: Langan.stb Layout: ANSIA-BP



LEGEND:

EP02/459-MW02/SV02	APPROXIMATE REMEDIAL DESIGN INVESTIGATION SOIL BORING, MONITORING WELL, AND/OR SOIL VAPOR POINT LOCATION
EP10	APPROXIMATE REMEDIAL DESIGN INVESTIGATION SOIL BORING LOCATION
CGMW-36	APPROXIMATE LOCATION OF EXISTING MONITORING WELL
	APPROXIMATE PROPERTY LINE

NOTES:

1. BASE MAP REFERENCED FROM DRAWING ENTITLED "ARCHITECTURAL SURVEY" PREPARED BY LEONARD J. STRANDBERG AND ASSOCIATES, CONSULTING ENGINEERS AND LAND SURVEYORS, P.C., LAST UPDATED AUGUST 2021.
2. ALL ELEVATIONS SHOWN HEREIN REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. SAMPLE LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.

30 0 15 30
SCALE: 1 INCH = 30 FEET

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
459 SMITH STREET
NYSDEC BCP No. C224012B
BLOCK No. 471, LOT No. 200
BROOKLYN
KINGS NEW YORK

Drawing Title
SITE PLAN AND SAMPLE LOCATION MAP

Project No.	170420201
Date	01/21/2022
Drawn By	MA
Checked By	PM
Drawing No.	2
Sheet	2 of 5

Filename: \\langan.com\data\NYC\data2\170420201\Cadd Data - 170420201\SheetFiles\Environmental\SRDIR\170420201-BL101-0101.dwg Date: 2/10/2022 Time: 09:26 User: mau Style Table: Langan.stb Layout: Figure 2- Sample Location Map

LANGAN
PROJECT NO. 170420201
© 2022 Langan

Location	EP10
Sample Name	EP10_0-2
Sample Date	12/14/2021
Sample Depth	0-2
VOCs	
1,3,5-Trimethylbenzene (Mesitylene)	<0.0026 U
Benzene	<0.0026 U
n-Propylbenzene	<0.0026 U
Toluene	<0.0026 U
SVOCs	
Acenaphthene	0.166 D
Benzo(a)anthracene	**1.54 D**
Benzo(a)pyrene	**1.79 D**
Benzo(b)fluoranthene	**1.32 D**
Benzo(k)fluoranthene	**1.15 D**
Chrysene	**1.62 D**
Dibenz(a,h)anthracene	**0.434 D**
Dibenzofuran	0.0959 D
Fluorene	0.156 D
Indeno(1,2,3-cd)pyrene	**1.4 D**
Naphthalene	0.274 D
Phenanthrene	1.95 D
Pyrene	2.51 D
Metals	
Arsenic	8.59
Cadmium	**2.51**
Copper	**96.5**
Lead	**152**
Mercury	**0.573**
Nickel	27
Selenium	<2.73 U
Zinc	**163**

Location	EP01
Sample Name	EP01_0-2
Sample Date	12/16/2021
Sample Depth	0-2
VOCs	
1,3,5-Trimethylbenzene (Mesitylene)	<0.0052 U
Benzene	<0.0052 U
n-Propylbenzene	<0.0052 U
Toluene	<0.0052 U
SVOCs	
Acenaphthene	0.195 D
Benzo(a)anthracene	**2.06 D**
Benzo(a)pyrene	**2.34 D**
Benzo(b)fluoranthene	**1.83 D**
Benzo(k)fluoranthene	**1.64 D**
Chrysene	**2.13 D**
Dibenz(a,h)anthracene	**0.647 D**
Dibenzofuran	0.11 D
Fluorene	0.292 D
Indeno(1,2,3-cd)pyrene	**1.77 D**
Naphthalene	0.251 D
Phenanthrene	2.15 D
Pyrene	4.38 D
Metals	
Arsenic	**19.5**
Cadmium	0.7
Copper	**78.4**
Lead	**230**
Mercury	**0.733 B**
Nickel	**33.8 J**
Selenium	<2.8 U
Zinc	**156**

Location	EP09
Sample Name	EP09_0-2
Sample Date	12/15/2021
Sample Depth	0-2
VOCs	
1,3,5-Trimethylbenzene (Mesitylene)	<0.0023 U
Benzene	0.0027 J
n-Propylbenzene	<0.0023 U
Toluene	<0.0023 U
SVOCs	
Acenaphthene	0.267 D
Benzo(a)anthracene	**1.63 D**
Benzo(a)pyrene	**1.98 D**
Benzo(b)fluoranthene	**1.26 D**
Benzo(k)fluoranthene	**1.38 D**
Chrysene	**1.7 D**
Dibenz(a,h)anthracene	**0.399 D**
Dibenzofuran	0.293 D
Fluorene	0.48 D
Indeno(1,2,3-cd)pyrene	**1 D**
Naphthalene	1.17 D
Phenanthrene	2.03 D
Pyrene	3.32 D
Metals	
Arsenic	7.06
Cadmium	1.08
Copper	**153 J**
Lead	**325**
Mercury	**0.267**
Nickel	20.4 J
Selenium	<2.71 U
Zinc	**226**

Location	EP02
Sample Name	EP02_0-2
Sample Date	12/15/2021
Sample Depth	0-2
VOCs	
1,3,5-Trimethylbenzene (Mesitylene)	<0.0037 U
Benzene	<0.0037 U
n-Propylbenzene	<0.0037 U
Toluene	<0.0037 U
SVOCs	
Acenaphthene	0.232 D
Benzo(a)anthracene	**1.92 D**
Benzo(a)pyrene	**3.23 D**
Benzo(b)fluoranthene	**2.48 D**
Benzo(k)fluoranthene	**2.18 D**
Chrysene	**2.49 D**
Dibenz(a,h)anthracene	**1.24 D**
Dibenzofuran	<0.0466 U
Fluorene	0.248 D
Indeno(1,2,3-cd)pyrene	**2.92 D**
Naphthalene	1.21 D
Phenanthrene	1.78 D
Pyrene	4.25 D
Metals	
Arsenic	6.64
Cadmium	<0.339 U
Copper	40.9 J
Lead	49.6
Mercury	**0.262**
Nickel	9.09 J
Selenium	<2.83 U
Zinc	10.8

Location	EP11
Sample Name	EP11_0-2_121721
Sample Date	12/17/2021
Sample Depth	0-2
VOCs	
1,3,5-Trimethylbenzene (Mesitylene)	<0.0023 U
Benzene	<0.0023 U
n-Propylbenzene	<0.0023 U
Toluene	<0.0023 U
SVOCs	
Acenaphthene	<0.044 U
Benzo(a)anthracene	0.16 D
Benzo(a)pyrene	0.239 D
Benzo(b)fluoranthene	0.131 D
Benzo(k)fluoranthene	0.133 D
Chrysene	0.157 D
Dibenz(a,h)anthracene	0.047 JD
Dibenzofuran	<0.044 U
Fluorene	<0.044 U
Indeno(1,2,3-cd)pyrene	0.175 D
Naphthalene	0.0625 JD
Phenanthrene	0.131 D
Pyrene	0.31 D
Metals	
Arsenic	8.59
Cadmium	0.545
Copper	11
Lead	13.3
Mercury	0.083
Nickel	7.66
Selenium	**16.9**
Zinc	36.3

Location	EP03
Sample Name	EP03_0-2_121721
Sample Date	12/17/2021
Sample Depth	0-2
VOCs	
1,3,5-Trimethylbenzene (Mesitylene)	<0.0022 U
Benzene	<0.0022 U
n-Propylbenzene	<0.0022 U
Toluene	<0.0022 U
SVOCs	
Acenaphthene	0.677 D
Benzo(a)anthracene	**2.88 D**
Benzo(a)pyrene	**2.88 D**
Benzo(b)fluoranthene	**2.36 D**
Benzo(k)fluoranthene	**2.05 D**
Chrysene	**2.94 D**
Dibenz(a,h)anthracene	**0.653 D**
Dibenzofuran	0.44 D
Fluorene	0.682 D
Indeno(1,2,3-cd)pyrene	**1.77 D**
Naphthalene	0.397 D
Phenanthrene	6.95 D
Pyrene	6.68 D
Metals	
Arsenic	5.11
Cadmium	0.596
Copper	**101**
Lead	**583**
Mercury	**1.3**
Nickel	**30.5**
Selenium	<2.79 U
Zinc	**209**

Location	EP04
Sample Name	EP04_0-2
Sample Date	12/16/2021
Sample Depth	0-2
VOCs	
1,3,5-Trimethylbenzene (Mesitylene)	<0.0024 U
Benzene	<0.0024 U
n-Propylbenzene	<0.0024 U
Toluene	<0.0024 U
SVOCs	
Acenaphthene	2.48 D
Benzo(a)anthracene	**7.6 D**
Benzo(a)pyrene	**7.1 D**
Benzo(b)fluoranthene	**5.43 D**
Benzo(k)fluoranthene	**5.5 D**
Chrysene	**6.86 D**
Dibenz(a,h)anthracene	**1.6 D**
Dibenzofuran	1.08 D
Fluorene	2.1 D
Indeno(1,2,3-cd)pyrene	**4.08 D**
Naphthalene	1.46 D
Phenanthrene	14.2 D
Pyrene	16.7 D
Metals	
Arsenic	5.19
Cadmium	0.496
Copper	33.1
Lead	**101**
Mercury	**0.816 B**
Nickel	21.4 J
Selenium	<2.77 U
Zinc	**234**

Location	EP12
Sample Name	EP12_0-2
Sample Date	12/14/2021
Sample Depth	0-2
VOCs	
1,3,5-Trimethylbenzene (Mesitylene)	<0.0023 U
Benzene	<0.0023 U
n-Propylbenzene	<0.0023 U
Toluene	<0.0023 U
SVOCs	
Acenaphthene	0.102 D
Benzo(a)anthracene	0.741 D
Benzo(a)pyrene	0.599 D
Benzo(b)fluoranthene	0.413 D
Benzo(k)fluoranthene	0.413 D
Chrysene	0.751 D
Dibenz(a,h)anthracene	0.157 D
Dibenzofuran	0.0741 JD
Fluorene	0.185 D
Indeno(1,2,3-cd)pyrene	**0.503 D**
Naphthalene	0.211 D
Phenanthrene	1.25 D
Pyrene	2.01 D
Metals	
Arsenic	12.5
Cadmium	0.387
Copper	34.4
Lead	**69.4**
Mercury	<0.0316 U
Nickel	18.2
Selenium	<2.63 U
Zinc	61

Location	EP05	EP05	EP05
Sample Name	EP05_0-2	SODUP02_121521	EP05_2-3
Sample Date	12/15/2021	12/15/2021	12/15/2021
Sample Depth	0-2	0-2	2-3
VOCs			
1,3,5-Trimethylbenzene (Mesitylene)	<0.0026 U	<0.0022 U	**30 D**
Benzene	<0.0026 U	<0.0022 U	**8.5 D**
n-Propylbenzene	<0.0026 U	<0.0022 U	**6.7 D**
Toluene	<0.0026 U	<0.0022 U	**12 D**
SVOCs			
Acenaphthene	19.1 J	0.958 J	**111 D**
Benzo(a)anthracene	**4.34 J**	**1.06 J**	**59.2 D**
Benzo(a)pyrene	**4.18 J**	**1.31 J**	**51.9 D**
Benzo(b)fluoranthene	**2.02 J**	0.921 J	**23.3 D**
Benzo(k)fluoranthene	**2.56 J**	**0.895 J**	**28.7 D**
Chrysene	**4.14 J**	**1.07 J**	**69.7 D**
Dibenz(a,h)anthracene	**0.606 J**	0.283 J	**8.51 D**
Dibenzofuran	<0.0421 UJ	0.411 J	**12.6 D**
Fluorene	7.95 J	0.443 J	**131 D**
Indeno(1,2,3-cd)pyrene	**1.94 J**	**0.945 J**	**16.5 D**
Naphthalene	**47.8 J**	2.95 J	**345 D**
Phenanthrene	17.1 J	1.35 J	**241 D**
Pyrene	12.4 J	2.27 J	**138 D**
Metals			
Arsenic	12.8	**15.2**	NA
Cadmium	1.04	0.977	NA
Copper	38.1 J	**85.3 J**	NA
Lead	**114 J**	**444 J**	NA
Mercury	**0.49 J**	**0.989 J**	NA
Nickel	14.9 J	**36.1 J**	NA
Selenium	**4.15**	<2.53 U	NA
Zinc	**179 J**	**214**	NA

Location	EP07
Sample Name	EP07_0-2
Sample Date	12/16/2021
Sample Depth	0-2
VOCs	
1,3,5-Trimethylbenzene (Mesitylene)	<0.0021 U
Benzene	<0.0021 U
n-Propylbenzene	<0.0021 U
Toluene	<0.0021 U
SVOCs	
Acenaphthene	1.02 D
Benzo(a)anthracene	**6.13 D**
Benzo(a)pyrene	**6.76 D**
Benzo(b)fluoranthene	**4.82 D**
Benzo(k)fluoranthene	**4.36 D**
Chrysene	**6.81 D**
Dibenz(a,h)anthracene	**1.58 D**
Dibenzofuran	0.413 D
Fluorene	1.47 D
Indeno(1,2,3-cd)pyrene	**3.94 D**
Naphthalene	0.862 D
Phenanthrene	7.66 D
Pyrene	14.4 D
Metals	
Arsenic	6.22
Cadmium	1.64
Copper	**115**
Lead	**297**
Mercury	**3.85 B**
Nickel	**31.8 J**
Selenium	<2.71 U
Zinc	**196**

Analyte	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs
VOCs		
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52
Benzene	0.06	4.8
n-Propylbenzene	3.9	100
Toluene	0.7	100
SVOCs		
Acenaphthene	20	100
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	1
Benzo(b)fluoranthene	1	1
Benzo(k)fluoranthene	0.8	3.9
Chrysene	1	3.9
Dibenz(a,h)anthracene	0.33	0.33
Dibenzofuran	7	59
Fluorene	30	100
Indeno(1,2,3-cd)pyrene	0.5	0.5
Naphthalene	12	100
Phenanthrene	100	100
Pyrene	100	100
Metals		
Arsenic	13	16
Cadmium	2.5	4.3
Copper	50	270
Lead	63	400
Mercury	0.18	0.81
Nickel	30	310
Selenium	3.9	180
Zinc	109	10000

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs

10 - Result exceeds Restricted Use Restricted-Residential SCOs

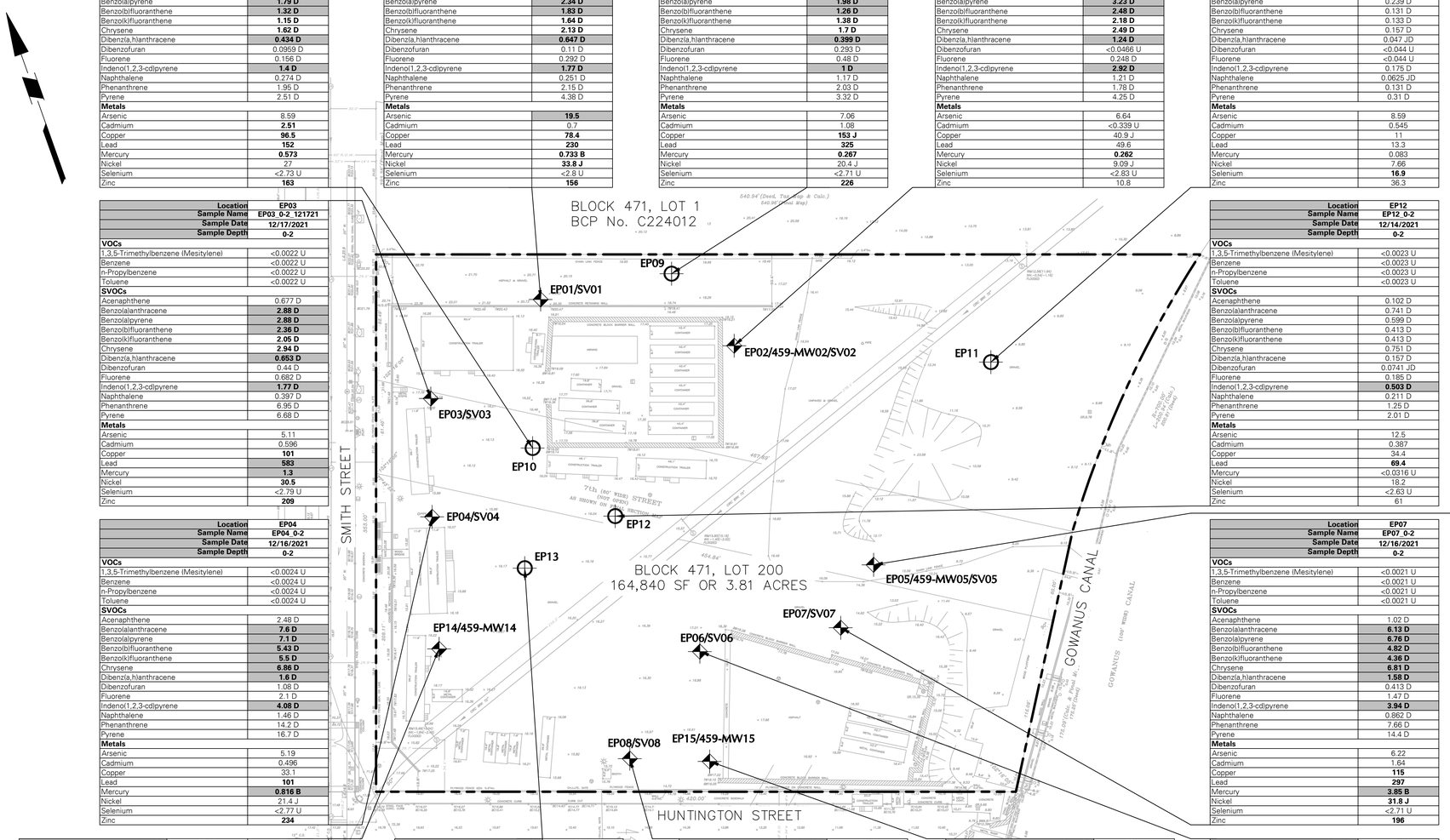
Location	EP14	EP14
Sample Name	EP14_0-2	SODUP01_121521
Sample Date	12/15/2021	12/15/2021
Sample Depth	0-2	0-2
VOCs		
1,3,5-Trimethylbenzene (Mesitylene)	<0.0024 U	<0.0027 U
Benzene	<0.0024 U	<0.0027 U
n-Propylbenzene	<0.0024 U	<0.0027 U
Toluene	<0.0024 U	<0.0027 U
SVOCs		
Acenaphthene	0.115 J	0.903 J
Benzo(a)anthracene	0.802 J	**1.75 J**
Benzo(a)pyrene	0.862 J	**1.82 J**
Benzo(b)fluoranthene	0.597 J	**1.36 J**
Benzo(k)fluoranthene	0.669 J	**1.33 J**
Chrysene	0.827 J	**1.67 J**
Dibenz(a,h)anthracene	0.18 D	**0.354 D**
Dibenzofuran	0.061 J	0.364 J
Fluorene	0.254 D	0.398 D
Indeno(1,2,3-cd)pyrene	0.42 J	**0.875 J**
Naphthalene	0.229 J	2.81 J
Phenanthrene	1.51 J	2.59 J
Pyrene	1.68 J	3.25 J
Metals		
Arsenic	6.16	4.73
Cadmium	0.454	0.477
Copper	39.8 J	30 J
Lead	**210 J**	**192**
Mercury	**0.479**	**0.415**
Nickel	26.8 J	27.7 J
Selenium	<2.77 U	<2.76 U
Zinc	**118**	85.7

Location	EP13
Sample Name	EP13_0-2
Sample Date	12/14/2021
Sample Depth	0-2
VOCs	
1,3,5-Trimethylbenzene (Mesitylene)	<0.0027 U
Benzene	<0.0027 U
n-Propylbenzene	<0.0027 U
Toluene	<0.0027 U
SVOCs	
Acenaphthene	<0.048 U
Benzo(a)anthracene	0.423 D
Benzo(a)pyrene	0.405 D
Benzo(b)fluoranthene	0.285 D
Benzo(k)fluoranthene	0.258 D
Chrysene	0.428 D
Dibenz(a,h)anthracene	0.0896 JD
Dibenzofuran	<0.048 U
Fluorene	<0.048 U
Indeno(1,2,3-cd)pyrene	0.341 D
Naphthalene	0.788 D
Phenanthrene	0.316 D
Pyrene	0.837 D
Metals	
Arsenic	2.8
Cadmium	0.384
Copper	**86.3**
Lead	**137**
Mercury	**0.363**
Nickel	18
Selenium	<2.89 U
Zinc	84

Location	EP08
Sample Name	EP08_0-2
Sample Date	12/16/2021
Sample Depth	0-2
VOCs	
1,3,5-Trimethylbenzene (Mesitylene)	<0.002 U
Benzene	<0.002 U
n-Propylbenzene	<0.002 U
Toluene	<0.002 U
SVOCs	
Acenaphthene	0.0573 JD
Benzo(a)anthracene	0.425 D
Benzo(a)pyrene	0.38 D
Benzo(b)fluoranthene	0.299 D
Benzo(k)fluoranthene	0.3 D
Chrysene	0.387 D
Dibenz(a,h)anthracene	0.0905 JD
Dibenzofuran	<0.0473 U
Fluorene	0.0671 JD
Indeno(1,2,3-cd)pyrene	0.276 D
Naphthalene	<0.0473 U
Phenanthrene	0.554 D
Pyrene	0.799 D
Metals	
Arsenic	5.3
Cadmium	0.453
Copper	**86.3**
Lead	**137**
Mercury	**1.22 B**
Nickel	28 J
Selenium	<2.84 U
Zinc	**129**

Location	EP15
Sample Name	EP15_0-2_121721
Sample Date	12/17/2021
Sample Depth	0-2
VOCs	
1,3,5-Trimethylbenzene (Mesitylene)	<0.0027 U
Benzene	<0.0027 U
n-Propylbenzene	<0.0027 U
Toluene	<0.0027 U
SVOCs	
Acenaphthene	0.0915 D
Benzo(a)anthracene	0.748 D
Benzo(a)pyrene	0.81 D
Benzo(b)fluoranthene	0.606 D
Benzo(k)fluoranthene	0.609 D
Chrysene	0.768 D
Dibenz(a,h)anthracene	0.156 D
Dibenzofuran	0.0562 JD
Fluorene	0.158 D
Indeno(1,2,3-cd)pyrene	**0.567 D**
Naphthalene	0.141 D
Phenanthrene	1.04 D
Pyrene	1.63 D
Metals	
Arsenic	**19.8**
Cadmium	0.526
Copper	27.2
Lead	**68.4**
Mercury	**0.274**
Nickel	24
Selenium	<2.64 U
Zinc	71.8

Location	EP06
Sample Name	EP06_0-2
Sample Date	12/16/2021
Sample Depth	0-2
VOCs	
1,3,5-Trimethylbenzene (Mesitylene)	<0.0029 U
Benzene	<0.0029 U
n-Propylbenzene	<0.0029 U
Toluene	<0.0029 U
SVOCs	
Acenaphthene	0.0704 JD
Benzo(a)anthracene	0.632 D
Benzo(a)pyrene	0.655 D
Benzo(b)fluoranthene	0.481 D
Benzo(k)fluoranthene	0.526 D
Chrysene	0.588 D
Dibenz(a,h)anthracene	0.108 D
Dibenzofuran	<0.047 U
Fluorene	0.102 D
Indeno(1,2,3-cd)pyrene	0.417 D
Naphthalene	0.0509 JD
Phenanthrene	0.766 D
Pyrene	1.09 D
Metals	
Arsenic	11.2
Cadmium	0.533
Copper	47.7
Lead	**115**
Mercury	**0.511 J**
Nickel	23.1 J
Selenium	<2.83 U
Zinc	**152**



LEGEND:

EP02/459-MW02/SV02 — APPROXIMATE REMEDIAL DESIGN INVESTIGATION SOIL BORING, MONITORING WELL, AND/OR SOIL VAPOR POINT LOCATION

EP10 — APPROXIMATE REMEDIAL DESIGN INVESTIGATION SOIL BORING LOCATION

APPROXIMATE PROPERTY LINE

NOTES:

1. BASE MAP REFERENCED FROM DRAWING ENTITLED "ARCHITECTURAL SURVEY" PREPARED BY LEONARD J. STRANDBERG AND ASSOCIATES, CONSULTING ENGINEERS AND LAND SURVEYORS, P.C., LAST UPDATED AUGUST 2021.
2. ALL ELEVATIONS SHOWN HEREIN REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. SAMPLE LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.
4. SOIL SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) TITLE 6 OF THE OFFICIAL COMPILATION OF NEW YORK CODES, RULES, AND REGULATIONS (NYCRR) PART 375 UNRESTRICTED USE (UU) SOIL CLEANUP OBJECTIVES (SCOs) AND RESTRICTED USE RESTRICTED-RESIDENTIAL (RURR) SCOs.
5. ONLY COMPOUNDS DETECTED AT CONCENTRATIONS ABOVE UU SCOS ARE SHOWN.
6. CONCENTRATIONS ABOVE UU SCOs ARE BOLD.
7. CONCENTRATIONS ABOVE RURR SCOs ARE BOLD AND SHADED.
8. ALL CONCENTRATIONS SHOWN ARE REPORTED IN MILLIGRAMS PER KILOGRAM (mg/kg).
9. BGS = BELOW GRADE SURFACE
10. VOC = VOLATILE ORGANIC COMPOUND
11. SVOC = SEMIVOLATILE ORGANIC COMPOUND
12. PCB = POLYCHLORINATED BIPHENYL
13. RL = REPORTING LIMIT
14. J = THE ANALYTE WAS DETECTED ABOVE THE METHOD DETECTION LIMIT, BUT BELOW THE REPORTING LIMIT; THEREFORE, THE RESULT IS AN ESTIMATE
15. D = THE CONCENTRATION REPORTED IS A RESULT OF A DILUTED SAMPLE
16. B = THE ANALYTE WAS FOUND IN THE ASSOCIATED ANALYSIS BATCH BLANK
17. UJ = THE ANALYTE WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE RL; HOWEVER, THE REPORTED RL IS APPROXIMATE AND MAY BE INACCURATE OR IMPRECISE
18. U = THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE LEVEL OF THE RL OR THE SAMPLE CONCENTRATION FOR RESULTS IMPACTED BY BLANK CONTAMINATION

40 0 10 25 40

SCALE: 1 INCH = 40 FEET

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

459 SMITH STREET

NYSDEC BCP No. C224012B

BLOCK No. 471, LOT No. 200

BROOKLYN

KINGS NEW YORK

Drawing Title

SOIL SAMPLE ANALYTICAL RESULTS MAP

Project No. 170420201

Date 01/21/2022

Drawn By MA

Checked By PM

Drawing No. 3

Sheet 3 of 5

LANGAN

PROJECT NO. 170420201

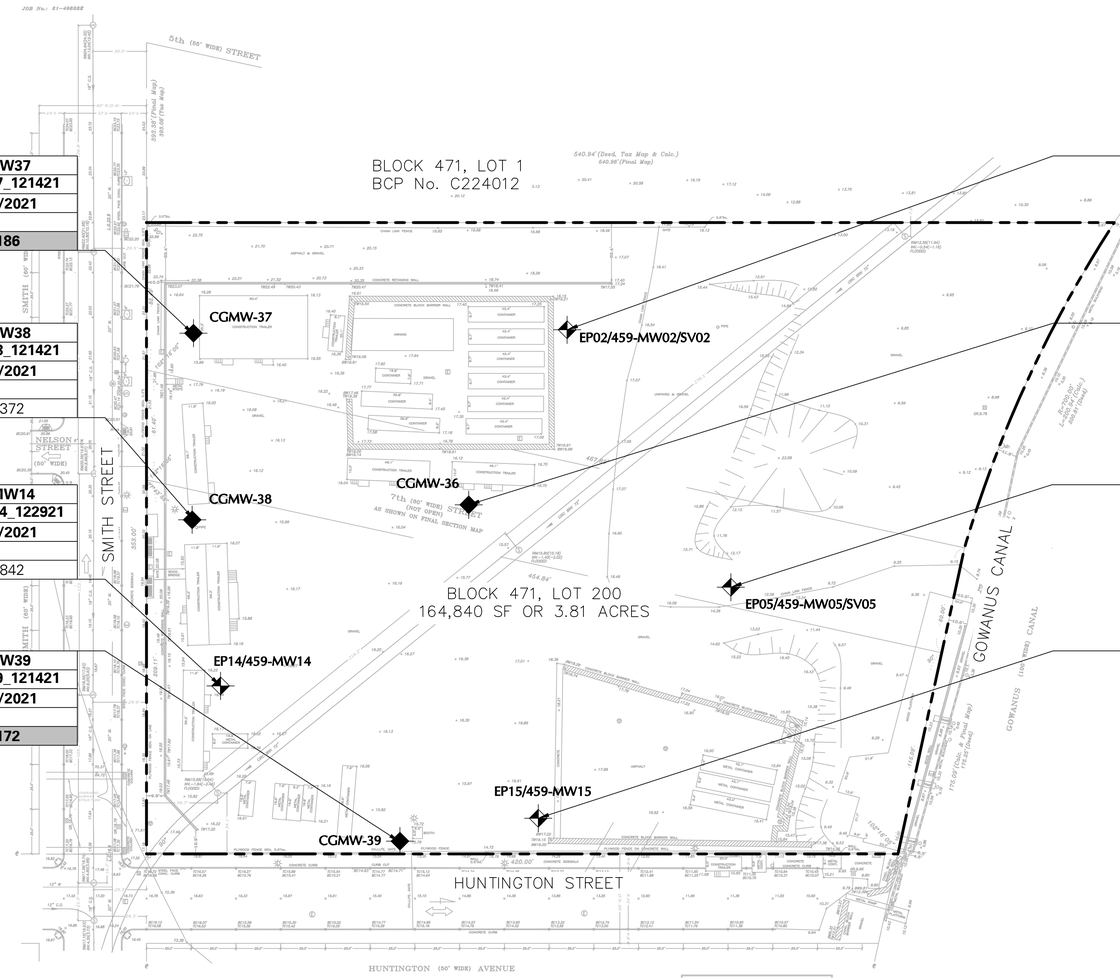
© 2022 Langan

LEGEND:

EP02/459-MW02/SV02 — APPROXIMATE REMEDIAL DESIGN INVESTIGATION SOIL BORING, MONITORING WELL, AND/OR SOIL VAPOR POINT LOCATION

CGMW-36 — APPROXIMATE LOCATION OF EXISTING MONITORING WELL

APPROXIMATE PROPERTY LINE



Location	CGMW37
Sample Name	CGMW37_121421
Sample Date	12/14/2021
PFAS	
Perfluorooctanoic Acid (PFOA)	**0.0186**

Location	CGMW38
Sample Name	CGMW38_121421
Sample Date	12/14/2021
PFAS	
Perfluorooctanoic Acid (PFOA)	0.00372

Location	459-MW14
Sample Name	459-MW14_122921
Sample Date	12/29/2021
PFAS	
Perfluorooctanoic Acid (PFOA)	0.00842

Location	CGMW39
Sample Name	CGMW39_121421
Sample Date	12/14/2021
PFAS	
Perfluorooctanoic Acid (PFOA)	**0.0172**

Location	459-MW02
Sample Name	459-MW02_122921
Sample Date	12/29/2021
PFAS	
Perfluorooctanoic Acid (PFOA)	**0.0194 J**

Location	CGMW36	CGMW36
Sample Name	CGMW36_121421	GWDUP01_121421
Sample Date	12/14/2021	12/14/2021
PFAS		
Perfluorooctanoic Acid (PFOA)	**0.0431**	**0.043**

Location	459-MW05
Sample Name	459-MW05_122921
Sample Date	12/29/2021
PFAS	
Perfluorooctanoic Acid (PFOA)	**0.0349**

Location	459-MW15
Sample Name	459-MW15_122921
Sample Date	12/29/2021
PFAS	
Perfluorooctanoic Acid (PFOA)	**0.0349**

Analyte	NYSDEC Guidance Values
PFAS	
Perfluorooctanoic Acid (PFOA)	0.01

Exceedance Summary:

10 - Result exceeds NYSDEC Guidance Values

NOTES:

1. BASE MAP REFERENCED FROM DRAWING ENTITLED "ARCHITECTURAL SURVEY" PREPARED BY LEONARD J. STRANDBERG AND ASSOCIATES, CONSULTING ENGINEERS AND LAND SURVEYORS, P.C., LAST UPDATED AUGUST 2021.
2. ALL ELEVATIONS SHOWN HEREIN REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. SAMPLE LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.
4. GROUNDWATER SAMPLE ANALYTICAL RESULTS ARE COMPARED TO THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) PER- AND POLYFLUOROALKYL SUBSTANCE (PFAS) SCREENING LEVELS, JANUARY 2021.
5. ONLY COMPOUNDS DETECTED ABOVE THE NYSDEC PFAS SCREENING LEVELS ARE SHOWN.
6. PFAS SCREENING LEVELS EXCEEDANCES ARE BOLD AND SHADED.
7. ALL CONCENTRATIONS SHOWN ARE REPORTED IN MICROGRAMS PER LITER (µg/L).
8. J = THE ANALYTE WAS POSITIVELY IDENTIFIED AND THE ASSOCIATED NUMERICAL VALUE IS THE APPROXIMATE CONCENTRATION OF THE ANALYTE IN THE SAMPLE

40 0 10 25 40
SCALE: 1 INCH = 40 FEET

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: 459 SMITH STREET
NYSDEC BCP No. C224012B
BLOCK No. 471, LOT No. 200
BROOKLYN
KINGS NEW YORK

Drawing Title: GROUNDWATER SAMPLE ANALYTICAL RESULTS MAP

Project No. 170420201
Date 01/21/2022
Drawn By MA
Checked By PM

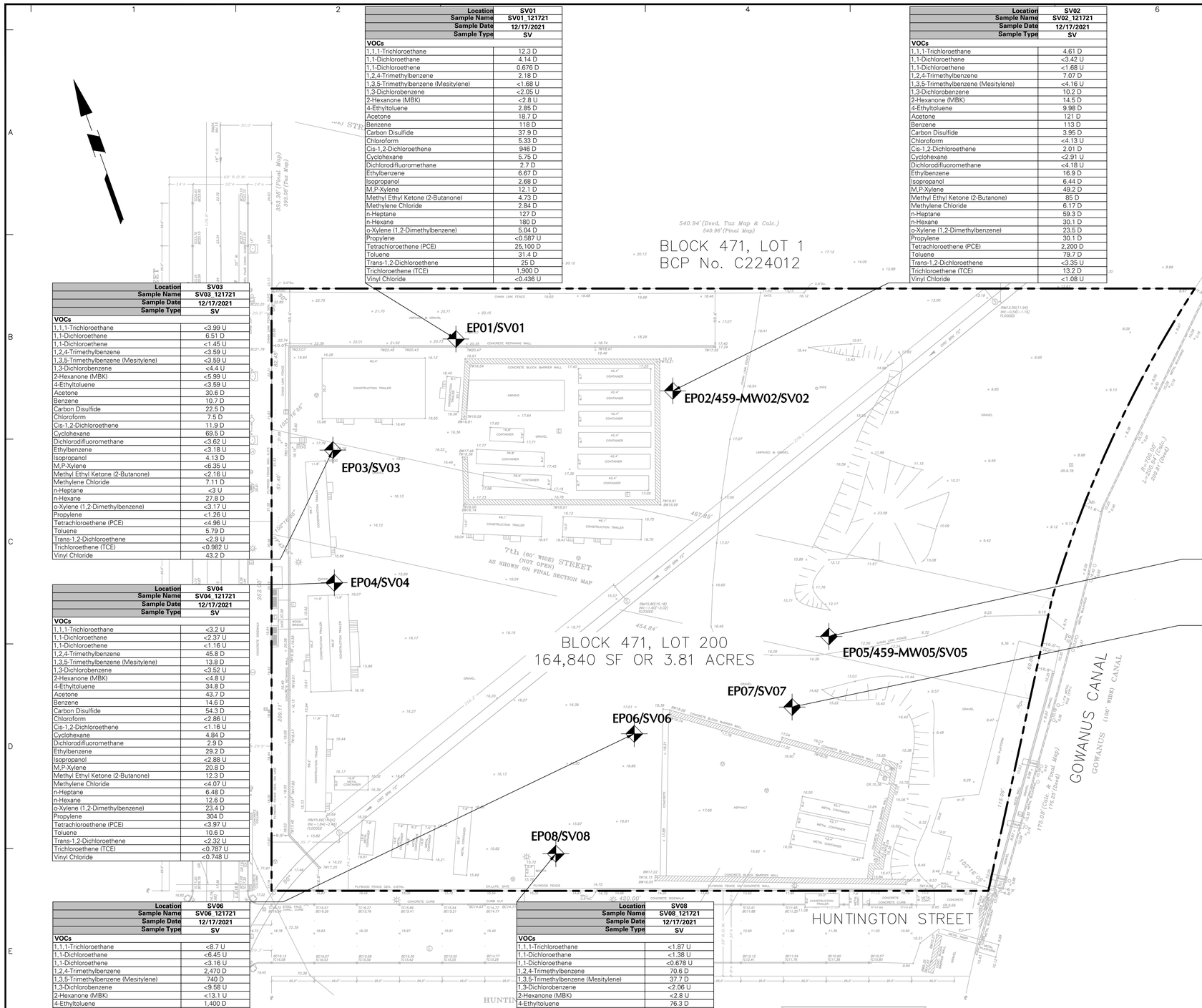
Drawing No. 4

Sheet 4 of 5

©2022 Langan

Filename: \\langan.com\data\NYC\data2\170420201\Cadd Data - 170420201\SheetFiles\Environmental\SRDIR\170420201-BL101-0101.dwg Date: 2/10/2022 Time: 09:28 User: mau Style Table: Langan.stb Layout: Figure 4 - Groundwater Sample Analytical Results Map

LANGAN PROJECT NO. 170420201



Location	SV01
Sample Name	SV01_121721
Sample Date	12/17/2021
Sample Type	SV
VOCs	
1,1,1-Trichloroethane	12.3 D
1,1-Dichloroethane	4.14 D
1,1-Dichloroethene	0.676 D
1,2,4-Trimethylbenzene	2.18 D
1,3,5-Trimethylbenzene (Mesitylene)	<1.68 U
1,3-Dichlorobenzene	<2.05 U
2-Hexanone (MBK)	<2.8 U
4-Ethyltoluene	2.85 D
Acetone	18.7 D
Benzene	118 D
Carbon Disulfide	37.9 D
Chloroform	5.33 D
Cis-1,2-Dichloroethene	946 D
Cyclohexane	5.75 D
Dichlorodifluoromethane	2.7 D
Ethylbenzene	6.67 D
Isopropanol	2.68 D
M,P-Xylene	12.1 D
Methyl Ethyl Ketone (2-Butanone)	4.73 D
Methylene Chloride	2.84 D
n-Heptane	127 D
n-Hexane	180 D
o-Xylene (1,2-Dimethylbenzene)	5.04 D
Propylene	<0.587 U
Tetrachloroethene (PCE)	25,100 D
Toluene	31.4 D
Trans-1,2-Dichloroethene	25 D
Trichloroethene (TCE)	1,900 D
Vinyl Chloride	<0.436 U

Location	SV02
Sample Name	SV02_121721
Sample Date	12/17/2021
Sample Type	SV
VOCs	
1,1,1-Trichloroethane	4.61 D
1,1-Dichloroethane	<3.42 U
1,1-Dichloroethene	<1.68 U
1,2,4-Trimethylbenzene	7.07 D
1,3,5-Trimethylbenzene (Mesitylene)	<4.16 U
1,3-Dichlorobenzene	10.2 D
2-Hexanone (MBK)	14.5 D
4-Ethyltoluene	9.98 D
Acetone	121 D
Benzene	113 D
Carbon Disulfide	3.95 D
Chloroform	<4.13 U
Cis-1,2-Dichloroethene	2.01 D
Cyclohexane	<2.91 U
Dichlorodifluoromethane	<4.18 U
Ethylbenzene	16.9 D
Isopropanol	6.44 D
M,P-Xylene	49.2 D
Methyl Ethyl Ketone (2-Butanone)	85 D
Methylene Chloride	6.17 D
n-Heptane	59.3 D
n-Hexane	30.1 D
o-Xylene (1,2-Dimethylbenzene)	23.5 D
Propylene	30.1 D
Tetrachloroethene (PCE)	2,200 D
Toluene	79.7 D
Trans-1,2-Dichloroethene	<3.35 U
Trichloroethene (TCE)	13.2 D
Vinyl Chloride	<1.08 U

Location	SV03
Sample Name	SV03_121721
Sample Date	12/17/2021
Sample Type	SV
VOCs	
1,1,1-Trichloroethane	<3.99 U
1,1-Dichloroethane	6.51 D
1,1-Dichloroethene	<1.45 U
1,2,4-Trimethylbenzene	<3.59 U
1,3,5-Trimethylbenzene (Mesitylene)	<3.59 U
1,3-Dichlorobenzene	<4.4 U
2-Hexanone (MBK)	<5.99 U
4-Ethyltoluene	<3.59 U
Acetone	30.6 D
Benzene	10.7 D
Carbon Disulfide	22.5 D
Chloroform	7.5 D
Cis-1,2-Dichloroethene	11.9 D
Cyclohexane	69.5 D
Dichlorodifluoromethane	<3.62 U
Ethylbenzene	<3.18 U
Isopropanol	4.13 D
M,P-Xylene	<6.35 U
Methyl Ethyl Ketone (2-Butanone)	<2.16 U
Methylene Chloride	7.11 D
n-Heptane	<3 U
n-Hexane	27.8 D
o-Xylene (1,2-Dimethylbenzene)	<3.17 U
Propylene	<1.26 U
Tetrachloroethene (PCE)	<4.96 U
Toluene	5.79 D
Trans-1,2-Dichloroethene	<2.9 U
Trichloroethene (TCE)	<0.982 U
Vinyl Chloride	43.2 D

Location	SV04
Sample Name	SV04_121721
Sample Date	12/17/2021
Sample Type	SV
VOCs	
1,1,1-Trichloroethane	<3.2 U
1,1-Dichloroethane	<2.37 U
1,1-Dichloroethene	<1.16 U
1,2,4-Trimethylbenzene	45.8 D
1,3,5-Trimethylbenzene (Mesitylene)	13.8 D
1,3-Dichlorobenzene	<3.52 U
2-Hexanone (MBK)	<4.8 U
4-Ethyltoluene	34.8 D
Acetone	43.7 D
Benzene	14.6 D
Carbon Disulfide	54.3 D
Chloroform	<2.86 U
Cis-1,2-Dichloroethene	<1.16 U
Cyclohexane	4.84 D
Dichlorodifluoromethane	2.9 D
Ethylbenzene	29.2 D
Isopropanol	<2.88 U
M,P-Xylene	20.8 D
Methyl Ethyl Ketone (2-Butanone)	12.3 D
Methylene Chloride	<4.07 U
n-Heptane	6.48 D
n-Hexane	12.6 D
o-Xylene (1,2-Dimethylbenzene)	23.4 D
Propylene	304 D
Tetrachloroethene (PCE)	<3.97 U
Toluene	10.6 D
Trans-1,2-Dichloroethene	<2.32 U
Trichloroethene (TCE)	<0.787 U
Vinyl Chloride	<0.748 U

Location	SV05
Sample Name	SV05_121721
Sample Date	12/17/2021
Sample Type	SV
VOCs	
1,1,1-Trichloroethane	<9.64 U
1,1-Dichloroethane	<7.15 U
1,1-Dichloroethene	<3.5 U
1,2,4-Trimethylbenzene	82.5 D
1,3,5-Trimethylbenzene (Mesitylene)	44.3 D
1,3-Dichlorobenzene	<10.6 U
2-Hexanone (MBK)	<14.5 U
4-Ethyltoluene	233 D
Acetone	52.9 D
Benzene	3,330 D
Carbon Disulfide	42.9 D
Chloroform	<8.62 U
Cis-1,2-Dichloroethene	<3.5 U
Cyclohexane	286 D
Dichlorodifluoromethane	<8.73 U
Ethylbenzene	998 D
Isopropanol	<8.68 U
M,P-Xylene	650 D
Methyl Ethyl Ketone (2-Butanone)	<5.21 U
Methylene Chloride	<12.3 U
n-Heptane	143 D
n-Hexane	301 D
o-Xylene (1,2-Dimethylbenzene)	597 D
Propylene	543 D
Tetrachloroethene (PCE)	<12 U
Toluene	340 D
Trans-1,2-Dichloroethene	<7 U
Trichloroethene (TCE)	<2.37 U
Vinyl Chloride	<2.26 U

Location	SV06
Sample Name	SV06_121721
Sample Date	12/17/2021
Sample Type	SV
VOCs	
1,1,1-Trichloroethane	<8.7 U
1,1-Dichloroethane	<6.45 U
1,1-Dichloroethene	<3.16 U
1,2,4-Trimethylbenzene	2,470 D
1,3,5-Trimethylbenzene (Mesitylene)	740 D
1,3-Dichlorobenzene	<9.58 U
2-Hexanone (MBK)	<13.1 U
4-Ethyltoluene	1,400 D
Acetone	121 D
Benzene	517 D
Carbon Disulfide	224 D
Chloroform	<7.78 U
Cis-1,2-Dichloroethene	<3.16 U
Cyclohexane	444 D
Dichlorodifluoromethane	<7.88 U
Ethylbenzene	5,160 D
Isopropanol	<7.84 U
M,P-Xylene	894 D
Methyl Ethyl Ketone (2-Butanone)	16.9 D
Methylene Chloride	<11.1 U
n-Heptane	365 D
n-Hexane	392 D
o-Xylene (1,2-Dimethylbenzene)	1,180 D
Propylene	<2.74 U
Tetrachloroethene (PCE)	14.1 D
Toluene	214 D
Trans-1,2-Dichloroethene	<6.32 U
Trichloroethene (TCE)	<2.14 U
Vinyl Chloride	<2.04 U

Location	SV07
Sample Name	SV07_121721
Sample Date	12/17/2021
Sample Type	SV
VOCs	
1,1,1-Trichloroethane	<7.99 U
1,1-Dichloroethane	<5.93 U
1,1-Dichloroethene	<2.9 U
1,2,4-Trimethylbenzene	2,940 D
1,3,5-Trimethylbenzene (Mesitylene)	1,000 D
1,3-Dichlorobenzene	<8.8 U
2-Hexanone (MBK)	<12 U
4-Ethyltoluene	1,090 D
Acetone	145 D
Benzene	817 D
Carbon Disulfide	204 D
Chloroform	<7.15 U
Cis-1,2-Dichloroethene	<2.9 U
Cyclohexane	222 D
Dichlorodifluoromethane	<7.24 U
Ethylbenzene	6,050 D
Isopropanol	<7.2 U
M,P-Xylene	930 D
Methyl Ethyl Ketone (2-Butanone)	32 D
Methylene Chloride	<10.2 U
n-Heptane	274 D
n-Hexane	362 D
o-Xylene (1,2-Dimethylbenzene)	1,090 D
Propylene	<2.52 U
Tetrachloroethene (PCE)	19.9 D
Toluene	221 D
Trans-1,2-Dichloroethene	<5.8 U
Trichloroethene (TCE)	<1.97 U
Vinyl Chloride	<1.87 U

Location	SV08
Sample Name	SV08_121721
Sample Date	12/17/2021
Sample Type	SV
VOCs	
1,1,1-Trichloroethane	<1.87 U
1,1-Dichloroethane	<1.38 U
1,1-Dichloroethene	<0.678 U
1,2,4-Trimethylbenzene	70.6 D
1,3,5-Trimethylbenzene (Mesitylene)	37.7 D
1,3-Dichlorobenzene	<2.06 U
2-Hexanone (MBK)	<2.8 U
4-Ethyltoluene	76.3 D
Acetone	25.2 D
Benzene	382 D
Carbon Disulfide	9.37 D
Chloroform	<1.67 U
Cis-1,2-Dichloroethene	<0.678 U
Cyclohexane	30.3 D
Dichlorodifluoromethane	2.54 D
Ethylbenzene	97.4 D
Isopropanol	2.61 D
M,P-Xylene	57.5 D
Methyl Ethyl Ketone (2-Butanone)	3.83 D
Methylene Chloride	<2.38 U
n-Heptane	30.3 D
n-Hexane	47.7 D
o-Xylene (1,2-Dimethylbenzene)	71.3 D
Propylene	235 D
Tetrachloroethene (PCE)	3.25 D
Toluene	130 D
Trans-1,2-Dichloroethene	<1.36 U
Trichloroethene (TCE)	2.02 D
Vinyl Chloride	<0.437 U

LEGEND:

EP02/459-MW02/SV02 — APPROXIMATE REMEDIAL DESIGN INVESTIGATION SOIL BORING, MONITORING WELL, AND/OR SOIL VAPOR POINT LOCATION

APPROXIMATE PROPERTY LINE

NOTES:

1. BASE MAP REFERENCED FROM DRAWING ENTITLED "ARCHITECTURAL SURVEY" PREPARED BY LEONARD J. STRANDBERG AND ASSOCIATES, CONSULTING ENGINEERS AND LAND SURVEYORS, P.C., LAST UPDATED AUGUST 2021.
2. ALL ELEVATIONS SHOWN HEREIN REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
3. SAMPLE LOCATIONS ARE APPROXIMATE AND BASED ON FIELD MEASUREMENTS.
4. ONLY DETECTED COMPOUNDS ARE SHOWN.
5. ALL CONCENTRATIONS SHOWN ARE REPORTED IN MICROGRAMS PER CUBIC METER ($\mu g/m^3$)
6. RL = REPORTING LIMIT
7. D = THE CONCENTRATION REPORTED IS A RESULT OF A DILUTED SAMPLE
8. U = THE ANALYTE WAS ANALYZED FOR, BUT WAS NOT DETECTED AT A LEVEL GREATER THAN OR EQUAL TO THE LEVEL OF THE RL OR THE SAMPLE CONCENTRATION FOR RESULTS IMPACTED BY BLANK CONTAMINATION.

30 0 15 30
SCALE: 1 INCH = 30 FEET

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
459 SMITH STREET
NYSDEC BCP No. C224012B
BLOCK No. 471, LOT No. 200
BROOKLYN
KINGS NEW YORK

Drawing Title
SOIL VAPOR SAMPLE ANALYTICAL RESULTS MAP

Project No. 170420201
Date 01/21/2022
Drawn By MA
Checked By PM
Drawing No. 5
Sheet 5 of 5

LANGAN
PROJECT NO. 170420201

© 2022 Langan

Filename: \\langan.com\data\NYC\data2\170420201\Cadd Data - 170420201\SheetFiles\Environmental\SRDIR\170420201-BL101-0101.dwg Date: 2/10/2022 Time: 09:28 User: mau Style Table: Langan.stb Layout: Figure 5 - Soil Vapor Sample Analytical Results Map

TABLES

Table 1
Supplemental Remedial Design Investigation Report
Sample Summary

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Location	Sample Name	Sample Depth	Sample Date	Laboratory Analytical Method
Soil				
EP01	EP01_0-2	0-2	12/16/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	EP01_5-7	5-7	12/16/2021	PFAS, 1,4-Dioxane
EP02	EP02_0-2	0-2	12/15/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	EP02_5-7	5-7	12/15/2021	PFAS, 1,4-Dioxane
EP03	EP03_0-2_121721	0-2	12/17/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	EP03_3-5_121721	3-5	12/17/2021	PFAS, 1,4-Dioxane
EP04	EP04_0-2	0-2	12/16/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	EP04_6-8	6-8	12/16/2021	PFAS, 1,4-Dioxane
EP05	EP05_0-2	0-2	12/15/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	SODUP02_121521			
	EP05_2-3	2-3	12/15/2021	VOCs, SVOCs
	EP05_6-8	6-8	12/15/2021	PFAS, 1,4-Dioxane
EP06	EP06_0-2	0-2	12/16/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	EP06_9-11	9-11	12/16/2021	PFAS, 1,4-Dioxane
EP07	EP07_0-2	0-2	12/16/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	EP07_9-11	9-11	12/16/2021	PFAS, 1,4-Dioxane
EP08	EP08_0-2	0-2	12/16/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	EP08_8-10	8-10	12/16/2021	PFAS, 1,4-Dioxane
EP09	EP09_0-2	0-2	12/15/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	EP09_2-3	2-3	12/15/2021	PFAS, 1,4-Dioxane
EP10	EP10_0-2	0-2	12/14/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	EP10_6-8	6-8	12/14/2021	PFAS, 1,4-Dioxane
EP11	EP11_0-2_121721	0-2	12/17/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	EP11_4-6_121721	4-6	12/17/2021	PFAS, 1,4-Dioxane
EP12	EP12_0-2	0-2	12/14/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	EP12_9-11	9-11	12/14/2021	PFAS, 1,4-Dioxane
EP13	EP13_0-2	0-2	12/14/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	EP13_6-8	6-8	12/14/2021	PFAS, 1,4-Dioxane
EP14	EP14_0-2	0-2	12/15/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	SODUP01_121521			
	EP14_9-11	9-11	12/15/2021	PFAS, 1,4-Dioxane
EP15	EP15_0-2_121721	0-2	12/17/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals, PFAS, 1,4-Dioxane
	EP15_7-9_121721	7-9	12/17/2021	PFAS, 1,4-Dioxane

Table 1
Supplemental Remedial Design Investigation Report
Sample Summary

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Location	Sample Name	Sample Depth	Sample Date	Laboratory Analytical Method
Groundwater				
459-MW02	459-MW02_122921	6-16	12/29/2021	PFAS, 1,4-Dioxane
459-MW05	459-MW05_122921	2-12	12/29/2021	
459-MW14	459-MW14_122921	6-16	12/29/2021	
459-MW15	459-MW15_122921	2-12	12/29/2021	
CGMW36	CGMW36_121421	15-25	12/14/2021	
	GWDUP01_121421			
CGMW37	CGMW37_121421	14-24	12/14/2021	
CGMW38	CGMW38_121421	10-20	12/14/2021	
CGMW39	CGMW39_121421	14-24	12/14/2021	
Soil Vapor				
SV01	SV01_121721	3	12/17/2021	VOCs
SV02	SV02_121721	4	12/17/2021	
SV03	SV03_121721	1.5	12/17/2021	
SV04	SV04_121721	5	12/17/2021	
SV05	SV05_121721	5	12/17/2021	
SV06	SV06_121721	8	12/17/2021	
SV07	SV07_121721	7.5	12/17/2021	
SV08	SV08_121721	6.5	12/17/2021	
Quality Assurance/Quality Control				
Groundwater Blanks	FB01_121421	-	12/14/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals
	GWFB01_121421	-	12/14/2021	PFAS
	SOFB01_121421	-	12/14/2021	
	FB02_122921	-	12/29/2021	PFAS, 1,4-Dioxane
Soil Blanks	TB01_121521	-	12/15/2021	VOCs
	FB02_121521	-	12/15/2021	VOCs, SVOCs, Pesticides, Herbicides, PCBs, Metals
	SOFB02_121521	-	12/15/2021	PFAS
	SOFB03_121621	-	12/16/2021	

Notes:
1. VOC = Volatile Organic Compound
2. SVOC = Semivolatile Organic Compound
3. PCB = Polychlorinated Biphenyl
4. PFAS = Polyfluoroalkyl Substance
5. Metals includes analysis of Target Analyte List (TAL) Metals, Hexavalent Chromium, Trivalent Chromium and Total Cyanide

Table 2
Supplemental Remedial Design Investigation Report
Soil Sample Analytical Results

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	EP01	EP01	EP02	EP02	EP03	EP03	EP04	EP04	EP05	EP05	EP05	EP05	EP06	EP06	EP07	EP07
				Sample Name	EP01_0-2	EP01_5-7	EP02_0-2	EP02_5-7	EP03_0-2_121721	EP03_3-5_121721	EP04_0-2	EP04_6-8	EP05_0-2	SODUP02_121521	EP05_2-3	EP05_6-8	EP06_0-2	EP06_9-11	EP07_0-2	EP07_9-11
				Sample Date	12/16/2021	12/16/2021	12/15/2021	12/15/2021	12/17/2021	12/17/2021	12/16/2021	12/16/2021	12/15/2021	12/15/2021	12/15/2021	12/15/2021	12/16/2021	12/16/2021	12/16/2021	12/16/2021
				Sample Depth	0-2	5-7	0-2	5-7	0-2	3-5	0-2	6-8	0-2	0-2	2-3	6-8	0-2	9-11	0-2	9-11
				Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																				
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,1,1-Trichloroethane	71-55-6	0.68	100	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,1,2-Trichloroethane	79-00-5	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,1-Dichloroethane	75-34-3	0.27	26	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,1-Dichloroethene	75-35-4	0.33	100	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,2,3-Trichlorobenzene	87-61-6	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,2,3-Trichloropropane	96-18-4	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,2,4-Trichlorobenzene	120-82-1	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,2,4-Trimethylbenzene	95-63-6	3.6	52	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	0.092	NA	<0.0029 U	NA	<0.0021 U	NA
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,2-Dichlorobenzene	95-50-1	1.1	100	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,2-Dichloroethane	107-06-2	0.02	3.1	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,2-Dichloropropane	78-87-5	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**8.4**	52	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	**30 D**	NA	<0.0029 U	NA	<0.0021 U	NA
1,3-Dichlorobenzene	541-73-1	2.4	49	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,4-Dichlorobenzene	106-46-7	1.8	13	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	mg/kg	<0.1 U	NA	<0.074 U	NA	<0.045 U	NA	<0.048 U	NA	<0.051 U	<0.043 U	<7.6 U	NA	<0.057 U	NA	<0.042 U	NA
2-Hexanone (MBK)	591-78-6	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Acetone	67-64-1	0.05	100	mg/kg	<0.01 U	NA	<0.0074 U	NA	0.023	NA	0.013	NA	<0.0051 U	<0.0043 U	<0.76 U	NA	0.012	NA	<0.0042 U	NA
Acrolein	107-02-8	NS	NS	mg/kg	<0.01 U	NA	<0.0074 U	NA	<0.0045 U	NA	<0.0048 U	NA	<0.0051 U	<0.0043 U	<0.76 U	NA	<0.0057 U	NA	<0.0042 U	NA
Acrylonitrile	107-13-1	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Benzene	71-43-2	**0.06**	4.8	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	**8.5 D**	NA	<0.0029 U	NA	<0.0021 U	NA
Bromochloromethane	74-97-5	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Bromodichloromethane	75-27-4	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Bromoform	75-25-2	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Bromomethane	74-83-9	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Carbon Disulfide	75-15-0	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Carbon Tetrachloride	56-23-5	0.76	2.4	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Chlorobenzene	108-90-7	1.1	100	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Chloroethane	75-00-3	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Chloroform	67-66-3	0.37	49	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Chloromethane	74-87-3	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Cis-1,2-Dichloroethene	156-59-2	0.25	100	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Cyclohexane	110-82-7	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Dibromochloromethane	124-48-1	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Dibromomethane	74-95-3	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Dichlorodifluoromethane	75-71-8	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 UJ	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Ethylbenzene	100-41-4	1	41	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	0.078	NA	<0.0029 U	NA	<0.0021 U	NA
Hexachlorobutadiene	87-68-3	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Isopropylbenzene (Cumene)	98-82-8	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	20 D	NA	<0.0029 U	NA	<0.0021 U	NA
M,P-Xylene	179601-23-1	NS	NS	mg/kg	<0.01 U	NA	<0.0074 U	NA	<0.0045 U	NA	<0.0048 U	NA	<0.0051 U	<0.0043 U	0.074	NA	<0.0057 U	NA	<0.0042 U	NA
Methyl Acetate	79-20-9	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	100	mg/kg	<0.0052 U	NA	<0.0037 U	NA	0.0051	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 UJ	NA	<0.0029 U	NA	<0.0021 U	NA
Methylcyclohexane	108-87-2	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Methylene Chloride	75-09-2	0.05	100	mg/kg	<0.01 U	NA	<0.0074 U	NA	<0.0045 U	NA	0.0074 J	NA	<0.0051 U	<0.0043 U	<0.76 U	NA	0.0071 J	NA	<0.0042 U	NA
n-Butylbenzene	104-51-8	12	100	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	4.9 D	NA	<0.0029 U	NA	<0.0021 U	NA
n-Propylbenzene	103-65-1	**3.9**	100	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	**6.7 D**	NA	<0.0029 U	NA	<0.0021 U	NA
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	0.052	NA	<0.0029 U	NA	<0.0021 U	NA
p-Cymene (p-Isopropyltoluene)	CYMP	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	11 D	NA	<0.0029 U	NA	<0.0021 U	NA
Sec-Butylbenzene	135-98-8	11	100	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	0.9 D	NA	<0.0029 U	NA	<0.0021 U	NA
Styrene	100-42-5	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	2 D	NA	<0.0029 U	NA	<0.0021 U	NA
T-Butylbenzene	98-06-6	5.9	100	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Tert-Butyl Alcohol	75-65-0	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Tert-Butyl Methyl Ether	1634-04-4	0.93	100	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Tetrachloroethene (PCE)	127-18-4	1.3	19	mg/kg	0.16	NA	0.047	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Toluene	108-88-3	**0.7**	100	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	**12 D**	NA	<0.0029 U	NA	<0.0021 U	NA
Total Xylenes	1330-20-7	0.26	100	mg/kg	<0.016 U	NA	<0.011 U	NA	<0.0067 U	NA	<0.0072 U	NA	<0.0077 U	<0.0065 U	0.13	NA	<0.0086 U	NA	<0.0064 U	NA
Trans-1,2-Dichloroethene	156-60-5	0.19	100	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Trichloroethene (TCE)	79-01-6	0.47	21	mg/kg	0.013	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Trichlorofluoromethane	75-69-4	NS	NS	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA
Vinyl Chloride	75-01-4	0.02	0.9	mg/kg	<0.0052 U	NA	<0.0037 U	NA	<0.0022 U	NA	<0.0024 U	NA	<0.0026 U	<0.0022 U	<0.38 U	NA	<0.0029 U	NA	<0.0021 U	NA

Table 2
Supplemental Remedial Design Investigation Report
Soil Sample Analytical Results

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	EP01	EP01	EP02	EP02	EP03	EP03	EP04	EP04	EP05	EP05	EP05	EP05	EP06	EP06	EP07	EP07
				Sample Name	EP01_0-2	EP01_5-7	EP02_0-2	EP02_5-7	EP03_0-2_121721	EP03_3-5_121721	EP04_0-2	EP04_6-8	EP05_0-2	SODUP02_121521	EP05_2-3	EP05_6-8	EP06_0-2	EP06_9-11	EP07_0-2	EP07_9-11
				Sample Date	12/16/2021	12/16/2021	12/15/2021	12/15/2021	12/17/2021	12/17/2021	12/16/2021	12/16/2021	12/15/2021	12/15/2021	12/15/2021	12/15/2021	12/16/2021	12/16/2021	12/16/2021	12/16/2021
				Sample Depth	0-2	5-7	0-2	5-7	0-2	3-5	0-2	6-8	0-2	0-2	2-3	6-8	0-2	9-11	0-2	9-11
				Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds																				
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	mg/kg	<0.0931 U	NA	<0.093 U	NA	<0.0923 U	NA	<0.0919 U	NA	<0.084 U	<0.0834 U	<4.46 U	NA	<0.0937 U	NA	<0.09 U	NA
1,2,4-Trichlorobenzene	120-82-1	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
1,2-Dichlorobenzene	95-50-1	1.1	100	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
1,2-Diphenylhydrazine	122-66-7	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
1,3-Dichlorobenzene	541-73-1	2.4	49	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
1,4-Dichlorobenzene	106-46-7	1.8	13	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	mg/kg	<0.019 UJ	<0.0196 UJ	<0.0189 U	<0.019 U	<0.019 U	<0.0196 UJ	<0.0185 UJ	<0.0185 U	<0.0196 UJ	<0.0189 U	NA	<0.0183 U	<0.0189 U	<0.0187 UJ	<0.019 UJ	<0.0192 UJ
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	mg/kg	<0.0931 U	NA	<0.093 U	NA	<0.0923 U	NA	<0.0919 U	NA	<0.084 U	<0.0834 U	<4.46 U	NA	<0.0937 U	NA	<0.09 U	NA
2,4,5-Trichlorophenol	95-95-4	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
2,4,6-Trichlorophenol	88-06-2	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
2,4-Dichlorophenol	120-83-2	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
2,4-Dimethylphenol	105-67-9	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
2,4-Dinitrophenol	51-28-5	NS	NS	mg/kg	<0.0931 U	NA	<0.093 U	NA	<0.0923 U	NA	<0.0919 U	NA	<0.084 U	<0.0834 U	<4.46 U	NA	<0.0937 U	NA	<0.09 U	NA
2,4-Dinitrotoluene	121-14-2	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
2,6-Dinitrotoluene	606-20-2	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
2-Chloronaphthalene	91-58-7	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
2-Chlorophenol	95-57-8	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
2-Methylnaphthalene	91-57-6	NS	NS	mg/kg	0.147 D	NA	1.07 D	NA	0.147 D	NA	0.624 D	NA	12.2 J	1.22 J	285 D	NA	<0.047 U	NA	0.669 D	NA
2-Methylphenol (o-Cresol)	95-48-7	0.33	100	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
2-Nitroaniline	88-74-4	NS	NS	mg/kg	<0.0931 U	NA	<0.093 U	NA	<0.0923 U	NA	<0.0919 U	NA	<0.084 U	<0.0834 U	<4.46 U	NA	<0.0937 U	NA	<0.09 U	NA
2-Nitrophenol	88-75-5	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	100	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
3,3'-Dichlorobenzidine	91-94-1	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
3-Nitroaniline	99-09-2	NS	NS	mg/kg	<0.0931 U	NA	<0.093 U	NA	<0.0923 U	NA	<0.0919 U	NA	<0.084 U	<0.0834 U	<4.46 U	NA	<0.0937 U	NA	<0.09 U	NA
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	mg/kg	<0.0931 U	NA	<0.093 U	NA	<0.0923 U	NA	<0.0919 U	NA	<0.084 U	<0.0834 U	<4.46 U	NA	<0.0937 U	NA	<0.09 U	NA
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
4-Chloro-3-Methylphenol	59-50-7	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
4-Chloroaniline	106-47-8	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
4-Nitroaniline	100-01-6	NS	NS	mg/kg	<0.0931 U	NA	<0.093 U	NA	<0.0923 U	NA	<0.0919 U	NA	<0.084 U	<0.0834 U	<4.46 U	NA	<0.0937 U	NA	<0.09 U	NA
4-Nitrophenol	100-02-7	NS	NS	mg/kg	<0.0931 U	NA	<0.093 U	NA	<0.0923 U	NA	<0.0919 U	NA	<0.084 U	<0.0834 U	<4.46 U	NA	<0.0937 U	NA	<0.09 U	NA
Acenaphthene	83-32-9	**20**	100	mg/kg	0.195 D	NA	0.232 D	NA	0.677 D	NA	2.48 D	NA	19.1 J	0.958 J	**111 D**	NA	0.0704 JD	NA	1.02 D	NA
Acenaphthylene	208-96-8	100	100	mg/kg	1.06 D	NA	2.79 D	NA	0.395 D	NA	0.303 D	NA	2.52 J	0.653 J	43.4 D	NA	0.121 D	NA	2.28 D	NA
Acetophenone	98-86-2	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	mg/kg	<0.186 U	NA	<0.186 U	NA	<0.185 U	NA	<0.184 U	NA	<0.168 U	<0.167 U	<8.92 U	NA	<0.188 U	NA	<0.18 U	NA
Anthracene	120-12-7	100	100	mg/kg	0.774 D	NA	1.06 D	NA	1.31 D	NA	4.4 D	NA	6.25 J	0.537 J	74 D	NA	0.25 D	NA	2.65 D	NA
Atrazine	1912-24-9	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Benzaldehyde	100-52-7	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Benzidine	92-87-5	NS	NS	mg/kg	<0.186 U	NA	<0.186 U	NA	<0.185 U	NA	<0.184 U	NA	<0.168 U	<0.167 U	<8.92 U	NA	<0.188 U	NA	<0.18 U	NA
Benzo(a)anthracene	56-55-3	**1**	1	mg/kg	**2.06 D**	NA	**1.92 D**	NA	**2.88 D**	NA	**7.6 D**	NA	**4.34 J**	**1.06 J**	**59.2 D**	NA	0.632 D	NA	**6.13 D**	NA
Benzo(a)pyrene	50-32-8	**1**	1	mg/kg	**2.34 D**	NA	**3.23 D**	NA	**2.88 D**	NA	**7.1 D**	NA	**4.18 J**	**1.31 J**	**51.9 D**	NA	0.655 D	NA	**6.76 D**	NA
Benzo(b)fluoranthene	205-99-2	**1**	1	mg/kg	**1.83 D**	NA	**2.48 D**	NA	**2.36 D**	NA	**5.43 D**	NA	**2.02 J**	0.921 J	**23.3 D**	NA	0.481 D	NA	**4.82 D**	NA
Benzo(g,h,i)Perylene	191-24-2	100	100	mg/kg	1.85 D	NA	4.62 D	NA	1.65 D	NA	3.59 D	NA	2.34 J	1.04 J	24.6 D	NA	0.386 D	NA	4.34 D	NA
Benzo(k)fluoranthene	207-08-9	**0.8**	3.9	mg/kg	**1.64 D**	NA	**2.18 D**	NA	**2.05 D**	NA	**5.5 D**	NA	**2.56 J**	**0.895 J**	**28.7 D**	NA	0.526 D	NA	**4.36 D**	NA
Benzoic Acid	65-85-0	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Benzyl Alcohol	100-51-6	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Benzyl Butyl Phthalate	85-68-7	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	0.362 D	NA	<0.0461 U	NA	0.051 JD	0.197 D	<2.23 U	NA	<0.047 U	NA	0.0467 JD	NA
Biphenyl (Diphenyl)	92-52-4	NS	NS	mg/kg	<0.0467 U	NA	0.164 D	NA	0.0649 JD	NA	0.178 D	NA	<0.0421 U	0.167 D	27.5 D	NA	<0.047 U	NA	0.164 D	NA
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	mg/kg	0.0714 JD	NA	<0.0466 U	NA	0.124 D	NA	0.0749 JD	NA	0.0819 JD	0.232 D	<2.23 U	NA	<0.047 U	NA	0.124 D	NA
Caprolactam	105-60-2	NS	NS	mg/kg	<0.0931 U	NA	<0.093 U	NA	<0.0923 U	NA	<0.0919 U	NA	<0.084 U	<0.0834 U	<4.46 U	NA	<0.0937 U	NA	<0.09 U	NA
Carbazole	86-74-8	NS	NS	mg/kg	0.185 D	NA	<0.0466 U	NA	0.319 D	NA	1.64 D	NA	0.185 D	0.113 D	3.42 JD	NA	0.0764 JD	NA	0.383 D	NA
Chrysene	218-01-9	**1**	3.9	mg/kg	**2.13 D**	NA	**2.49 D**	NA	**2.94 D**	NA	**6.86 D**	NA	**4.14 J**	**1.07 J**	**69.7 D**	NA	0.588 D	NA	**6.81 D**	NA
Dibenz(a,h)anthracene	53-70-3	**0.33**	0.33	mg/kg	**0.647 D**	NA	**1.24 D**	NA	**0.653 D**	NA	**1.6 D**	NA	**0.606 J**	0.283 J	**8.51 D**	NA	0.108 D	NA	**1.58 D**	NA
Dibenzofuran	132-64-9	**7**	59	mg/kg	0.11 D	NA	<0.0466 U	NA	0.44 D	NA	1.08 D	NA	<0.0421 UJ	0.411 J	**12.6 D**	NA	<0.047 U	NA	0.413 D	NA
Dibutyl phthalate	84-74-2	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Diethyl phthalate	84-66-2	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Dimethyl phthalate	131-11-3	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Dioctyl phthalate	117-84-0	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Fluoranthene	206-44-0	100	100	mg/kg	3.67 D	NA	1.71 D	NA	7.3 D	NA	18.3 D	NA	9.09 J	2.03 J	93.3 D	NA	1.21 D	NA	9.99 D	NA
Fluorene	86-73-7	**30**	100	mg/kg	0.292 D	NA	0.248 D	NA	0.682 D	NA	2.1 D	NA	7.95 J	0.443 J	**131 D**	NA	0.102 D	NA	1.47 D	NA
Hexachlorobenzene	118-74-1	0.33	1.2	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Hexachlorobutadiene	87-68-3	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Hexachlorocyclopentadiene	77-47-4	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Hexachloroethane	67-72-1	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Indeno(1,2,3-cd)pyrene	193-39-5	**0.5**	0.5	mg/kg	**1.77 D**	NA	**2.92 D**	NA	**1.77 D**	NA	**4.08 D**	NA	**1.94 J**	**0.945 J**	**16.5 D**	NA	0.417 D	NA	**3.94 D**	NA
Isophorone	78-59-1	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Naphthalene	91-20-3	**12**	100	mg/kg	0.251 D	NA	1.21 D	NA	0.397 D	NA	1.46 D	NA	**47.8 J**	2.95 J	**345 D**	NA	0.0509 JD	NA	0.862 D	NA
Nitrobenzene	98-95-3	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
n-Nitrosodimethylamine	62-75-9	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
n-Nitrosodiphenylamine	86-30-6	NS	NS	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Pentachlorophenol	87-86-5	0.8	6.7	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Phenanthrene	85-01-8	**100**	100	mg/kg	2.15 D	NA	1.78 D	NA	6.95 D	NA	14.2 D	NA	17.1 J	1.35 J	**241 D**	NA	0.766 D	NA	7.66 D	NA
Phenol	108-95-2	0.33	100	mg/kg	<0.0467 U	NA	<0.0466 U	NA	<0.0463 U	NA	<0.0461 U	NA	<0.0421 U	<0.0418 U	<2.23 U	NA	<0.047 U	NA	<0.0451 U	NA
Pyrene	129-00-0	**100**	100	mg/kg	4.38 D	NA	4.25 D	NA	6.68 D	NA	16.7 D	NA	12.4 J	2.27 J	**138 D**	NA	1.09 D	NA	14.4 D	NA

Table 2
Supplemental Remedial Design Investigation Report
Soil Sample Analytical Results

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	EP01	EP01	EP02	EP02	EP03	EP03	EP04	EP04	EP05	EP05	EP05	EP05	EP06	EP06	EP07	EP07
				Sample Name	EP01_0-2	EP01_5-7	EP02_0-2	EP02_5-7	EP03_0-2_121721	EP03_3-5_121721	EP04_0-2	EP04_6-8	EP05_0-2	SODUP02_121521	EP05_2-3	EP05_6-8	EP06_0-2	EP06_9-11	EP07_0-2	EP07_9-11
				Sample Date	12/16/2021	12/16/2021	12/15/2021	12/15/2021	12/17/2021	12/17/2021	12/16/2021	12/16/2021	12/15/2021	12/15/2021	12/15/2021	12/15/2021	12/16/2021	12/16/2021	12/16/2021	12/16/2021
				Sample Depth	0-2	5-7	0-2	5-7	0-2	3-5	0-2	6-8	0-2	0-2	2-3	6-8	0-2	9-11	0-2	9-11
				Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides																				
4,4'-DDD	72-54-8	0.0033	13	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
4,4'-DDE	72-55-9	0.0033	8.9	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
4,4'-DDT	50-29-3	0.0033	7.9	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Aldrin	309-00-2	0.005	0.097	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.48	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Alpha Chlordane	5103-71-9	0.094	4.2	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Alpha Endosulfan	959-98-8	2.4	24	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.36	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Beta Endosulfan	33213-65-9	2.4	24	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	100	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Dieldrin	60-57-1	0.005	0.2	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Endosulfan Sulfate	1031-07-8	2.4	24	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Endrin	72-20-8	0.014	11	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Endrin Aldehyde	7421-93-4	NS	NS	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Endrin Ketone	53494-70-5	NS	NS	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Gamma Bhc (Lindane)	58-89-9	0.1	1.3	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Gamma-Chlordane	5566-34-7	NS	NS	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Heptachlor	76-44-8	0.042	2.1	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Heptachlor Epoxide	1024-57-3	NS	NS	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Methoxychlor	72-43-5	NS	NS	mg/kg	<0.00183 U	NA	<0.00185 U	NA	<0.0018 U	NA	<0.0018 U	NA	<0.0017 UJ	<0.00164 U	NA	NA	<0.00184 U	NA	<0.00174 U	NA
Toxaphene	8001-35-2	NS	NS	mg/kg	<0.183 U	NA	<0.185 U	NA	<0.18 U	NA	<0.18 U	NA	<0.17 UJ	<0.164 U	NA	NA	<0.184 U	NA	<0.174 U	NA
Herbicides																				
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	mg/kg	<0.0223 U	NA	<0.0224 U	NA	<0.0221 U	NA	<0.0221 U	NA	<0.0206 U	<0.0201 U	NA	NA	<0.0226 U	NA	<0.0212 U	NA
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	mg/kg	<0.0223 U	NA	<0.0224 U	NA	<0.0221 U	NA	<0.0221 U	NA	<0.0206 U	<0.0201 U	NA	NA	<0.0226 U	NA	<0.0212 U	NA
Silvex (2,4,5-Tp)	93-72-1	3.8	100	mg/kg	<0.0223 U	NA	<0.0224 U	NA	<0.0221 U	NA	<0.0221 U	NA	<0.0206 U	<0.0201 U	NA	NA	<0.0226 U	NA	<0.0212 U	NA
Polychlorinated Biphenyl																				
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	mg/kg	<0.0185 U	NA	<0.0186 U	NA	<0.0181 U	NA	<0.0182 U	NA	<0.0171 U	<0.0166 U	NA	NA	<0.0185 U	NA	<0.0176 U	NA
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	mg/kg	<0.0185 U	NA	<0.0186 U	NA	<0.0181 U	NA	<0.0182 U	NA	<0.0171 U	<0.0166 U	NA	NA	<0.0185 U	NA	<0.0176 U	NA
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	mg/kg	<0.0185 U	NA	<0.0186 U	NA	<0.0181 U	NA	<0.0182 U	NA	<0.0171 U	<0.0166 U	NA	NA	<0.0185 U	NA	<0.0176 U	NA
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	mg/kg	<0.0185 U	NA	<0.0186 U	NA	<0.0181 U	NA	<0.0182 U	NA	<0.0171 U	<0.0166 U	NA	NA	<0.0185 U	NA	<0.0176 U	NA
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	mg/kg	<0.0185 U	NA	<0.0186 U	NA	<0.0181 U	NA	<0.0182 U	NA	<0.0171 U	<0.0166 U	NA	NA	<0.0185 U	NA	<0.0176 U	NA
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	mg/kg	<0.0185 U	NA	<0.0186 U	NA	<0.0181 U	NA	<0.0182 U	NA	<0.0171 U	<0.0166 U	NA	NA	<0.0185 U	NA	<0.0176 U	NA
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	mg/kg	<0.0185 U	NA	<0.0186 U	NA	<0.0181 U	NA	<0.0182 U	NA	<0.0171 U	0.0181	NA	NA	<0.0185 U	NA	<0.0176 U	NA
Total PCBs	1336-36-3	0.1	1	mg/kg	<0.0185 U	NA	<0.0186 U	NA	<0.0181 U	NA	<0.0182 U	NA	<0.0171 U	0.0181	NA	NA	<0.0185 U	NA	<0.0176 U	NA
Metals																				
Aluminum	7429-90-5	NS	NS	mg/kg	7,450 B	NA	1,680	NA	8,000 B	NA	8,370 B	NA	6,470	7,730	NA	NA	8,290 B	NA	7,470 B	NA
Antimony	7440-36-0	NS	NS	mg/kg	<2.8 U	NA	<2.83 U	NA	<2.79 U	NA	<2.77 U	NA	<2.59 UJ	<2.53 U	NA	NA	<2.83 U	NA	<2.71 U	NA
Arsenic	7440-38-2	**13**	16	mg/kg	**19.5**	NA	6.64	NA	5.11	NA	5.19	NA	12.8	**15.2**	NA	NA	11.2	NA	6.22	NA
Barium	7440-39-3	350	400	mg/kg	122	NA	73.5 J	NA	155	NA	82.2	NA	103 J	145 J	NA	NA	84.1	NA	136	NA
Beryllium	7440-41-7	7.2	72	mg/kg	<0.056 U	NA	<0.057 U	NA	<0.056 U	NA	<0.055 U	NA	<0.052 U	<0.051 U	NA	NA	<0.057 U	NA	<0.054 U	NA
Cadmium	7440-43-9	**2.5**	4.3	mg/kg	0.7	NA	<0.339 U	NA	0.596	NA	0.496	NA	1.04	0.977	NA	NA	0.533	NA	1.64	NA
Calcium	7440-70-2	NS	NS	mg/kg	48,600 B	NA	8,010 J	NA	17,400 B	NA	62,200 B	NA	123,000 J	17,000 J	NA	NA	84,000 B	NA	9,220 B	NA
Chromium, Hexavalent	18540-29-9	1	110	mg/kg	<0.56 U	NA	<0.565 U	NA	<0.559 U	NA	<0.555 U	NA	<0.517 UJ	<0.507 U	NA	NA	<0.566 U	NA	<0.543 U	NA
Chromium, Total	7440-47-3	NS	NS	mg/kg	21.2	NA	10.7	NA	21	NA	22.6	NA	14.2	19.6	NA	NA	25.8	NA	20.2	NA
Chromium, Trivalent	16065-83-1	30	180	mg/kg	21.2	NA	10.7	NA	21	NA	22.6	NA	14.2	19.6	NA	NA	25.8	NA	20.2	NA
Cobalt	7440-48-4	NS	NS	mg/kg	9.82	NA	2.87	NA	8.39	NA	6.2	NA	5.78 J	9.89 J	NA	NA	6.5	NA	10.4	NA
Copper	7440-50-8	**50**	270	mg/kg	**78.4**	NA	40.9 J	NA	**101**	NA	33.1	NA	38.1 J	**85.3 J**	NA	NA	47.7	NA	**115**	NA
Cyanide	57-12-5	27	27	mg/kg	3.92	NA	6.94	NA	<0.559 U	NA	<0.555 U	NA	<0.517 UJ	<0.507 U	NA	NA	1.23	NA	7.9	NA
Iron	7439-89-6	NS	NS	mg/kg	17,000	NA	12,800	NA	11,700	NA	16,000	NA	8,500 J	23,800 J	NA	NA	13,500	NA	1,340	NA
Lead	7439-92-1	**63**	400	mg/kg	**230**	NA	49.6	NA	**583**	NA	**101**	NA	**114 J**	**444 J**	NA	NA	**115**	NA	**297**	NA
Magnesium	7439-95-4	NS	NS	mg/kg	11,000	NA	2,440	NA	2,250	NA	15,900	NA	24,900 J	4,860 J	NA	NA	9,530	NA	830	NA
Manganese	7439-96-5	1600	2000	mg/kg	258	NA	44.4	NA	298	NA	292	NA	218	341	NA	NA	208	NA	242	NA
Mercury	7439-97-6	**0.18**	0.81	mg/kg	**0.733 B**	NA	**0.262**	NA	**1.3**	NA	**0.816 B**	NA	**0.49 J**	**0.989 J**	NA	NA	**0.511 J**	NA	**3.85 B**	NA
Nickel	7440-02-0	**30**	310	mg/kg	**33.8 J**	NA	9.09 J	NA	**30.5**	NA	21.4 J	NA	14.9 J	**36.1 J**	NA	NA	23.1 J	NA	**31.8 J**	NA
Potassium	7440-09-7	NS	NS	mg/kg	1,610	NA	289	NA	1,030	NA	1,830	NA	934	1,530	NA	NA	1,510	NA	439	NA
Selenium	7782-49-2	**3.9**	180	mg/kg	<2.8 U	NA	<2.83 U	NA	<2.79 U	NA	<2.77 U	NA	**4.15**	<2.53 U	NA	NA	<2.83 U	NA	<2.71 U	NA
Silver	7440-22-4	2	180	mg/kg	<0.56 U	NA	<0.565 U	NA	<0.559 U	NA	<0.555 U	NA	0.962 J	<0.507 U	NA	NA	<0.566 U	NA	<0.543 U	NA
Sodium	7440-23-5	NS	NS	mg/kg	228	NA	204	NA	144	NA	206	NA	155 J	156	NA	NA	309	NA	84.2	NA
Thallium	7440-28-0	NS	NS	mg/kg	<2.8 U	NA	<2.83 U	NA	<2.79 U	NA	<2.77 U	NA	<2.59 U	<2.53 U	NA	NA	<2.83 U	NA	<2.71 U	NA
Vanadium	7440-62-2	NS	NS	mg/kg	35.9	NA	9.86	NA	28.5	NA	24.6	NA	21.7	35.5	NA	NA	22.2	NA	29.4	NA
Zinc	7440-66-6	**109**	10000	mg/kg	**156**	NA	10.8	NA	**209**	NA	**234**	NA	**179 J**	**214**	NA	NA	**152**	NA	**196**	NA
General Chemistry																				
Solids, Percent	SOLID	NS	NS	Percent	89.3	72	88.5	81.4	89.5	87.7	90.1	87.3	96.7	98.7	93	89.8	88.4	90	92.1	84.8
Perfluorooctanoic acids																				
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	0.000654	<0.000265 U	0.00158	<0.000253 U	0.00377
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	mg/kg	0.00103	<0.000341 U	0.000684	0.00476	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	0.00269	<0.000265 U	0.000566	0.000279	0.00239
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	0.000327	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	0.000336	<0.000265 U	0.000335	<0.000253 U	<0.000274 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	0.000303	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	0.000403
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.00088	0.044	mg/kg	0.000443	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	0.000284	0.000635	<0.000274 U
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.033	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	mg/kg	<0.000271 U	<0.000341 U	0.00272	0.0019	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	0.000267	<0.000265 U	0.000282	<0.000253 U	<0.000274 U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 UJ	<0.000303 UJ	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	NS	mg/kg	<0.000271 U	<0.000341 U	<0.000263 U	<0.000303 U	<0.000253 U	<0.00026 U	<0.000239 U	<0.000286 U	<0.000251 U	<0.000249 U	NA	<0.000252 U	<0.000265 U	<0.00027 U	<0.000253 U	<0.000274 U

Table 2
Supplemental Remedial Design Investigation Report
Soil Sample Analytical Results

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	EP08	EP08	EP09	EP09	EP10	EP10	EP11	EP11	EP12	EP12	EP13	EP13	EP14	EP14	EP14	EP15	EP15
				Sample Name	EP08_0-2	EP08_8-10	EP09_0-2	EP09_2-3	EP10_0-2	EP10_6-8	EP11_0-2_121721	EP11_4-6_121721	EP12_0-2	EP12_9-11	EP13_0-2	EP13_6-8	EP14_0-2	SODUP01_121521	EP14_9-11	EP15_0-2_121721	EP15_7-9_121721
				Sample Date	12/16/2021	12/16/2021	12/15/2021	12/15/2021	12/14/2021	12/14/2021	12/17/2021	12/17/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/15/2021	12/15/2021	12/15/2021	12/17/2021	12/17/2021
				Sample Depth	0-2	8-10	0-2	2-3	0-2	6-8	0-2	4-6	0-2	9-11	0-2	6-8	0-2	0-2	9-11	0-2	7-9
				Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds																					
1,1,1,2-Tetrachloroethane	630-20-6	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,1,1-Trichloroethane	71-55-6	0.68	100	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,1,2,2-Tetrachloroethane	79-34-5	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,1,2-Trichloroethane	79-00-5	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,1-Dichloroethane	75-34-3	0.27	26	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,1-Dichloroethene	75-35-4	0.33	100	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,2,3-Trichlorobenzene	87-61-6	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,2,3-Trichloropropane	96-18-4	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,2,4-Trichlorobenzene	120-82-1	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,2,4-Trimethylbenzene	95-63-6	3.6	52	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,2-Dibromo-3-Chloropropane	96-12-8	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,2-Dichlorobenzene	95-50-1	1.1	100	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,2-Dichloroethane	107-06-2	0.02	3.1	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,2-Dichloropropane	78-87-5	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	**8.4**	52	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,3-Dichlorobenzene	541-73-1	2.4	49	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,4-Dichlorobenzene	106-46-7	1.8	13	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	mg/kg	<0.04 U	NA	<0.047 U	NA	<0.053 U	NA	<0.047 U	NA	<0.047 U	NA	<0.053 U	NA	<0.048 U	<0.054 U	NA	<0.054 U	NA
2-Hexanone (MBK)	591-78-6	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Acetone	67-64-1	0.05	100	mg/kg	<0.004 U	NA	0.011	NA	0.0054 J	NA	<0.0047 U	NA	<0.0047 U	NA	0.0069 J	NA	<0.0048 U	<0.0054 U	NA	0.0067 J	NA
Acrolein	107-02-8	NS	NS	mg/kg	<0.004 U	NA	<0.0047 U	NA	<0.0053 U	NA	<0.0047 U	NA	<0.0047 U	NA	<0.0053 U	NA	<0.0048 U	<0.0054 U	NA	<0.0054 U	NA
Acrylonitrile	107-13-1	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Benzene	71-43-2	**0.06**	4.8	mg/kg	<0.002 U	NA	0.0027 J	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Bromochloromethane	74-97-5	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Bromodichloromethane	75-27-4	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Bromoform	75-25-2	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Bromomethane	74-83-9	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Carbon Disulfide	75-15-0	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Carbon Tetrachloride	56-23-5	0.76	2.4	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Chlorobenzene	108-90-7	1.1	100	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Chloroethane	75-00-3	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Chloroform	67-66-3	0.37	49	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Chloromethane	74-87-3	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Cis-1,2-Dichloroethene	156-59-2	0.25	100	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Cis-1,3-Dichloropropene	10061-01-5	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Cyclohexane	110-82-7	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Dibromochloromethane	124-48-1	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Dibromomethane	74-95-3	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Dichlorodifluoromethane	75-71-8	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 UJ	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 UJ	NA
Ethylbenzene	100-41-4	1	41	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Hexachlorobutadiene	87-68-3	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Isopropylbenzene (Cumene)	98-82-8	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
M,P-Xylene	179601-23-1	NS	NS	mg/kg	<0.004 U	NA	<0.0047 U	NA	<0.0053 U	NA	<0.0047 U	NA	<0.0047 U	NA	<0.0053 U	NA	<0.0048 U	<0.0054 U	NA	<0.0054 U	NA
Methyl Acetate	79-20-9	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Methyl Ethyl Ketone (2-Butanone)	78-93-3	0.12	100	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0053 U	NA	<0.0023 U	NA	<0.0047 U	NA	<0.0053 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 UJ	NA	<0.0023 U	NA	<0.0023 UJ	NA	<0.0027 UJ	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Methylcyclohexane	108-87-2	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Methylene Chloride	75-09-2	0.05	100	mg/kg	0.0053 J	NA	<0.0047 U	NA	<0.0053 U	NA	0.02	NA	<0.0047 U	NA	0.042	NA	<0.0097 U	<0.0054 U	NA	0.0084 J	NA
n-Butylbenzene	104-51-8	12	100	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
n-Propylbenzene	103-65-1	**3.9**	100	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
o-Xylene (1,2-Dimethylbenzene)	95-47-6	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
p-Cymene (p-Isopropyltoluene)	CYMP	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Sec-Butylbenzene	135-98-8	11	100	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Styrene	100-42-5	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
T-Butylbenzene	98-06-6	5.9	100	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Tert-Butyl Alcohol	75-65-0	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Tert-Butyl Methyl Ether	1634-04-4	0.93	100	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Tetrachloroethene (PCE)	127-18-4	1.3	19	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Toluene	108-88-3	**0.7**	100	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Total Xylenes	1330-20-7	0.26	100	mg/kg	<0.0059 U	NA	<0.007 U	NA	<0.0079 U	NA	<0.007 U	NA	<0.007 U	NA	<0.008 U	NA	<0.0072 U	<0.008 U	NA	<0.008 U	NA
Trans-1,2-Dichloroethene	156-60-5	0.19	100	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Trans-1,3-Dichloropropene	10061-02-6	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Trichloroethene (TCE)	79-01-6	0.47	21	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Trichlorofluoromethane	75-69-4	NS	NS	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA
Vinyl Chloride	75-01-4	0.02	0.9	mg/kg	<0.002 U	NA	<0.0023 U	NA	<0.0026 U	NA	<0.0023 U	NA	<0.0023 U	NA	<0.0027 U	NA	<0.0024 U	<0.0027 U	NA	<0.0027 U	NA

Table 2
Supplemental Remedial Design Investigation Report
Soil Sample Analytical Results

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	EP08	EP08	EP09	EP09	EP10	EP10	EP11	EP11	EP12	EP12	EP13	EP13	EP14	EP14	EP14	EP15	EP15
				Sample Name	EP08_0-2	EP08_8-10	EP09_0-2	EP09_2-3	EP10_0-2	EP10_6-8	EP11_0-2_121721	EP11_4-6_121721	EP12_0-2	EP12_9-11	EP13_0-2	EP13_6-8	EP14_0-2	SODUP01_121521	EP14_9-11	EP15_0-2_121721	EP15_7-9_121721
				Sample Date	12/16/2021	12/16/2021	12/15/2021	12/15/2021	12/14/2021	12/14/2021	12/17/2021	12/17/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/15/2021	12/15/2021	12/15/2021	12/17/2021	12/17/2021
				Sample Depth	0-2	8-10	0-2	2-3	0-2	6-8	0-2	4-6	0-2	9-11	0-2	6-8	0-2	0-2	9-11	0-2	7-9
				Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds																					
1,2,4,5-Tetrachlorobenzene	95-94-3	NS	NS	mg/kg	<0.0943 U	NA	<0.0894 U	NA	<0.0895 U	NA	<0.0878 U	NA	<0.0875 U	NA	<0.0958 U	NA	<0.0919 U	<0.0918 U	NA	<0.0868 U	NA
1,2,4-Trichlorobenzene	120-82-1	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
1,2-Dichlorobenzene	95-50-1	1.1	100	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
1,2-Diphenylhydrazine	122-66-7	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
1,3-Dichlorobenzene	541-73-1	2.4	49	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
1,4-Dichlorobenzene	106-46-7	1.8	13	mg/kg	<0.0473 U	NA	<0.0448 U	NA	0.073 JD	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
1,4-Dioxane (P-Dioxane)	123-91-1	0.1	13	mg/kg	<0.019 UJ	<0.0189 UJ	<0.0194 U	<0.0185 U	<0.0187 U	<0.0194 U	<0.0192 UJ	<0.0194 U	<0.0192 U	<0.0198 U	<0.0196 U	<0.0194 U	<0.019 U	<0.0198 U	<0.0198 U	<0.0183 U	<0.0194 U
2,3,4,6-Tetrachlorophenol	58-90-2	NS	NS	mg/kg	<0.0943 U	NA	<0.0894 U	NA	<0.0895 U	NA	<0.0878 U	NA	<0.0875 U	NA	<0.0958 U	NA	<0.0919 U	<0.0918 U	NA	<0.0868 U	NA
2,4,5-Trichlorophenol	95-95-4	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
2,4,6-Trichlorophenol	88-06-2	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
2,4-Dichlorophenol	120-83-2	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
2,4-Dimethylphenol	105-67-9	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
2,4-Dinitrophenol	51-28-5	NS	NS	mg/kg	<0.0943 U	NA	<0.0894 U	NA	<0.0895 U	NA	<0.0878 U	NA	<0.0875 U	NA	<0.0958 U	NA	<0.0919 U	<0.0918 U	NA	<0.0868 U	NA
2,4-Dinitrotoluene	121-14-2	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
2,6-Dinitrotoluene	606-20-2	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
2-Chloronaphthalene	91-58-7	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
2-Chlorophenol	95-57-8	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
2-Methylnaphthalene	91-57-6	NS	NS	mg/kg	<0.0473 U	NA	0.524 D	NA	0.138 D	NA	<0.044 U	NA	0.11 D	NA	0.198 D	NA	0.253 J	0.626 J	NA	0.0735 JD	NA
2-Methylphenol (o-Cresol)	95-48-7	0.33	100	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
2-Nitroaniline	88-74-4	NS	NS	mg/kg	<0.0943 U	NA	<0.0894 U	NA	<0.0895 U	NA	<0.0878 U	NA	<0.0875 U	NA	<0.0958 U	NA	<0.0919 U	<0.0918 U	NA	<0.0868 U	NA
2-Nitrophenol	88-75-5	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	0.33	100	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
3,3'-Dichlorobenzidine	91-94-1	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
3-Nitroaniline	99-09-2	NS	NS	mg/kg	<0.0943 U	NA	<0.0894 U	NA	<0.0895 U	NA	<0.0878 U	NA	<0.0875 U	NA	<0.0958 U	NA	<0.0919 U	<0.0918 U	NA	<0.0868 U	NA
4,6-Dinitro-2-Methylphenol	534-52-1	NS	NS	mg/kg	<0.0943 U	NA	<0.0894 U	NA	<0.0895 U	NA	<0.0878 U	NA	<0.0875 U	NA	<0.0958 U	NA	<0.0919 U	<0.0918 U	NA	<0.0868 U	NA
4-Bromophenyl Phenyl Ether	101-55-3	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
4-Chloro-3-Methylphenol	59-50-7	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
4-Chloroaniline	106-47-8	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
4-Nitroaniline	100-01-6	NS	NS	mg/kg	<0.0943 U	NA	<0.0894 U	NA	<0.0895 U	NA	<0.0878 U	NA	<0.0875 U	NA	<0.0958 U	NA	<0.0919 U	<0.0918 U	NA	<0.0868 U	NA
4-Nitrophenol	100-02-7	NS	NS	mg/kg	<0.0943 U	NA	<0.0894 U	NA	<0.0895 U	NA	<0.0878 U	NA	<0.0875 U	NA	<0.0958 U	NA	<0.0919 U	<0.0918 U	NA	<0.0868 U	NA
Acenaphthene	83-32-9	**20**	100	mg/kg	0.0573 JD	NA	0.267 D	NA	0.166 D	NA	<0.044 U	NA	0.102 D	NA	<0.048 U	NA	0.115 J	0.903 J	NA	0.0915 D	NA
Acenaphthylene	208-96-8	100	100	mg/kg	0.0656 JD	NA	1.1 D	NA	0.739 D	NA	0.18 D	NA	0.321 D	NA	0.254 D	NA	0.281 D	0.126 D	NA	0.25 D	NA
Acetophenone	98-86-2	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Aniline (Phenylamine, Aminobenzene)	62-53-3	NS	NS	mg/kg	<0.189 U	NA	<0.179 U	NA	<0.179 U	NA	<0.176 U	NA	<0.175 U	NA	<0.192 U	NA	<0.184 U	<0.184 U	NA	<0.174 U	NA
Anthracene	120-12-7	100	100	mg/kg	0.163 D	NA	1.34 D	NA	0.663 D	NA	0.0919 D	NA	0.318 D	NA	0.159 D	NA	0.311 J	0.671 J	NA	0.244 D	NA
Atrazine	1912-24-9	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Benzaldehyde	100-52-7	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Benzidine	92-87-5	NS	NS	mg/kg	<0.189 U	NA	<0.179 U	NA	<0.179 U	NA	<0.176 U	NA	<0.175 U	NA	<0.192 U	NA	<0.184 U	<0.184 U	NA	<0.174 U	NA
Benzo(a)anthracene	56-55-3	**1**	1	mg/kg	0.425 D	NA	**1.63 D**	NA	**1.54 D**	NA	0.16 D	NA	0.741 D	NA	0.423 D	NA	0.802 J	**1.75 J**	NA	0.748 D	NA
Benzo(a)pyrene	50-32-8	**1**	1	mg/kg	0.38 D	NA	**1.98 D**	NA	**1.79 D**	NA	0.239 D	NA	0.599 D	NA	0.405 D	NA	0.862 J	**1.82 J**	NA	0.81 D	NA
Benzo(b)fluoranthene	205-99-2	**1**	1	mg/kg	0.299 D	NA	**1.26 D**	NA	**1.32 D**	NA	0.131 D	NA	0.413 D	NA	0.285 D	NA	0.597 J	**1.36 J**	NA	0.606 D	NA
Benzo(g,h,i)Perylene	191-24-2	100	100	mg/kg	0.251 D	NA	1.29 D	NA	1.3 D	NA	0.177 D	NA	0.442 D	NA	0.344 D	NA	0.536 J	1.03 J	NA	0.518 D	NA
Benzo(k)fluoranthene	207-08-9	**0.8**	3.9	mg/kg	0.3 D	NA	**1.38 D**	NA	**1.15 D**	NA	0.133 D	NA	0.413 D	NA	0.258 D	NA	0.669 J	**1.33 J**	NA	0.609 D	NA
Benzoic Acid	65-85-0	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	0.0935 JD	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Benzyl Alcohol	100-51-6	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Benzyl Butyl Phthalate	85-68-7	NS	NS	mg/kg	<0.0473 U	NA	0.136 D	NA	3.7 D	NA	<0.044 U	NA	2.44 D	NA	129 D	NA	0.666 J	3.95 J	NA	2.36 D	NA
Biphenyl (Diphenyl)	92-52-4	NS	NS	mg/kg	<0.0473 U	NA	0.0993 D	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	0.133 D	NA	<0.0435 U	NA
Bis(2-chloroethoxy) methane	111-91-1	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Bis(2-chloroisopropyl) ether	108-60-1	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Bis(2-ethylhexyl) phthalate	117-81-7	NS	NS	mg/kg	<0.0473 U	NA	<0.0894 U	NA	1.1 D	NA	<0.044 U	NA	0.115 D	NA	1.05 D	NA	1.08 J	0.469 J	NA	0.284 D	NA
Caprolactam	105-60-2	NS	NS	mg/kg	<0.0943 U	NA	<0.0894 U	NA	<0.0895 U	NA	<0.0878 U	NA	<0.0875 U	NA	<0.0958 U	NA	<0.0919 U	<0.0918 U	NA	<0.0868 U	NA
Carbazole	86-74-8	NS	NS	mg/kg	0.0596 JD	NA	0.206 D	NA	0.197 D	NA	<0.044 U	NA	0.056 JD	NA	<0.048 U	NA	0.0845 J	0.277 J	NA	0.0818 JD	NA
Chrysene	218-01-9	**1**	3.9	mg/kg	0.387 D	NA	**1.7 D**	NA	**1.62 D**	NA	0.157 D	NA	0.751 D	NA	0.428 D	NA	0.827 J	**1.67 J**	NA	0.768 D	NA
Dibenz(a,h)anthracene	53-70-3	**0.33**	0.33	mg/kg	0.0905 JD	NA	**0.399 D**	NA	**0.434 D**	NA	0.047 JD	NA	0.157 D	NA	0.0896 JD	NA	0.18 D	**0.354 D**	NA	0.156 D	NA
Dibenzofuran	132-64-9	**7**	59	mg/kg	<0.0473 U	NA	0.293 D	NA	0.0959 D	NA	<0.044 U	NA	0.0741 JD	NA	<0.048 U	NA	0.061 J	0.364 J	NA	0.0562 JD	NA
Dibutyl phthalate	84-74-2	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	0.359 D	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Diethyl phthalate	84-66-2	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Dimethyl phthalate	131-11-3	NS	NS	mg/kg	<0.0473 U	NA	0.351 D	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Dioctyl phthalate	117-84-0	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	0.0463 JD	<0.046 U	NA	<0.0435 U	NA
Fluoranthene	206-44-0	100	100	mg/kg	0.793 D	NA	2.49 D	NA	2.86 D	NA	0.211 D	NA	1.52 D	NA	0.648 D	NA	1.56 J	3.32 J	NA	1.46 D	NA
Fluorene	86-73-7	**30**	100	mg/kg	0.0671 JD	NA	0.48 D	NA	0.156 D	NA	<0.044 U	NA	0.185 D	NA	<0.048 U	NA	0.254 D	0.398 D	NA	0.158 D	NA
Hexachlorobenzene	118-74-1	0.33	1.2	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Hexachlorobutadiene	87-68-3	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Hexachlorocyclopentadiene	77-47-4	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Hexachloroethane	67-72-1	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Indeno(1,2,3-cd)pyrene	193-39-5	**0.5**	0.5	mg/kg	0.276 D	NA	**1 D**	NA	**1.4 D**	NA	0.175 D	NA	**0.503 D**	NA	0.341 D	NA	0.42 J	**0.875 J**	NA	**0.567 D**	NA
Isophorone	78-59-1	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Naphthalene	91-20-3	**12**	100	mg/kg	<0.0473 U	NA	1.17 D	NA	0.274 D	NA	0.0625 JD	NA	0.211 D	NA	0.788 D	NA	0.229 J	2.81 J	NA	0.141 D	NA
Nitrobenzene	98-95-3	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
n-Nitrosodimethylamine	62-75-9	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
n-Nitrosodi-N-Propylamine	621-64-7	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
n-Nitrosodiphenylamine	86-30-6	NS	NS	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Pentachlorophenol	87-86-5	0.8	6.7	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Phenanthrene	85-01-8	**100**	100	mg/kg	0.554 D	NA	2.03 D	NA	1.95 D	NA	0.131 D	NA	1.25 D	NA	0.316 D	NA	1.51 J	2.59 J	NA	1.04 D	NA
Phenol	108-95-2	0.33	100	mg/kg	<0.0473 U	NA	<0.0448 U	NA	<0.0449 U	NA	<0.044 U	NA	<0.0439 U	NA	<0.048 U	NA	<0.0461 U	<0.046 U	NA	<0.0435 U	NA
Pyrene	129-00-0	**100**	100	mg/kg	0.799 D	NA	3.32 D	NA	2.51 D	NA	0.31 D	NA	2.01 D	NA	0.837 D	NA	1.68 J	3.25 J	NA	1.63 D	NA

Table 2
Supplemental Remedial Design Investigation Report
Soil Sample Analytical Results

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Analyte	CAS Number	NYSDEC Part 375 Unrestricted Use SCOs	NYSDEC Part 375 Restricted Use Restricted-Residential SCOs	Location	EP08	EP08	EP09	EP09	EP10	EP10	EP11	EP11	EP12	EP12	EP13	EP13	EP14	EP14	EP14	EP15	EP15
				Sample Name	EP08_0-2	EP08_8-10	EP09_0-2	EP09_2-3	EP10_0-2	EP10_6-8	EP11_0-2_121721	EP11_4-6_121721	EP12_0-2	EP12_9-11	EP13_0-2	EP13_6-8	EP14_0-2	SODUP01_121521	EP14_9-11	EP15_0-2_121721	EP15_7-9_121721
				Sample Date	12/16/2021	12/16/2021	12/15/2021	12/15/2021	12/14/2021	12/14/2021	12/17/2021	12/17/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/15/2021	12/15/2021	12/15/2021	12/17/2021	12/17/2021
				Sample Depth	0-2	8-10	0-2	2-3	0-2	6-8	0-2	4-6	0-2	9-11	0-2	6-8	0-2	0-2	9-11	0-2	7-9
				Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides																					
4,4'-DDD	72-54-8	0.0033	13	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
4,4'-DDE	72-55-9	0.0033	8.9	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
4,4'-DDT	50-29-3	0.0033	7.9	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Aldrin	309-00-2	0.005	0.097	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	0.02	0.48	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Alpha Chlordane	5103-71-9	0.094	4.2	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Alpha Endosulfan	959-98-8	2.4	24	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	0.036	0.36	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Beta Endosulfan	33213-65-9	2.4	24	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	0.04	100	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Dieldrin	60-57-1	0.005	0.2	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Endosulfan Sulfate	1031-07-8	2.4	24	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Endrin	72-20-8	0.014	11	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Endrin Aldehyde	7421-93-4	NS	NS	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Endrin Ketone	53494-70-5	NS	NS	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Gamma Bhc (Lindane)	58-89-9	0.1	1.3	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Gamma-Chlordane	5566-34-7	NS	NS	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Heptachlor	76-44-8	0.042	2.1	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Heptachlor Epoxide	1024-57-3	NS	NS	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Methoxychlor	72-43-5	NS	NS	mg/kg	<0.00185 U	NA	<0.00177 U	NA	<0.00175 U	NA	<0.0017 U	NA	<0.00172 UJ	NA	<0.00189 U	NA	<0.0018 U	<0.0018 U	NA	<0.00171 U	NA
Toxaphene	8001-35-2	NS	NS	mg/kg	<0.185 U	NA	<0.177 U	NA	<0.175 U	NA	<0.17 U	NA	<0.172 UJ	NA	<0.189 U	NA	<0.18 U	<0.18 U	NA	<0.171 U	NA
Herbicides																					
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	NS	NS	mg/kg	<0.0226 U	NA	<0.0216 U	NA	<0.0216 U	NA	<0.0211 U	NA	<0.021 U	NA	<0.114 U	NA	<0.0221 U	<0.0216 U	NA	<0.021 U	NA
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	NS	NS	mg/kg	<0.0226 U	NA	<0.0216 U	NA	<0.0216 U	NA	<0.0211 U	NA	<0.021 U	NA	<0.114 U	NA	<0.0221 U	<0.0216 U	NA	<0.021 U	NA
Silvex (2,4,5-Tp)	93-72-1	3.8	100	mg/kg	<0.0226 U	NA	<0.0216 U	NA	<0.0216 U	NA	<0.0211 U	NA	<0.021 U	NA	<0.114 U	NA	<0.0221 U	<0.0216 U	NA	<0.021 U	NA
Polychlorinated Biphenyl																					
PCB-1016 (Aroclor 1016)	12674-11-2	NS	NS	mg/kg	<0.0187 U	NA	<0.0178 U	NA	<0.0177 U	NA	<0.0171 U	NA	<0.0174 UJ	NA	<0.0191 U	NA	<0.0182 U	<0.0182 U	NA	<0.0173 U	NA
PCB-1221 (Aroclor 1221)	11104-28-2	NS	NS	mg/kg	<0.0187 U	NA	<0.0178 U	NA	<0.0177 U	NA	<0.0171 U	NA	<0.0174 UJ	NA	<0.0191 U	NA	<0.0182 U	<0.0182 U	NA	<0.0173 U	NA
PCB-1232 (Aroclor 1232)	11141-16-5	NS	NS	mg/kg	<0.0187 U	NA	<0.0178 U	NA	<0.0177 U	NA	<0.0171 U	NA	<0.0174 UJ	NA	<0.0191 U	NA	<0.0182 U	<0.0182 U	NA	<0.0173 U	NA
PCB-1242 (Aroclor 1242)	53469-21-9	NS	NS	mg/kg	<0.0187 U	NA	<0.0178 U	NA	<0.0177 U	NA	<0.0171 U	NA	<0.0174 UJ	NA	<0.0191 U	NA	<0.0182 U	<0.0182 U	NA	<0.0173 U	NA
PCB-1248 (Aroclor 1248)	12672-29-6	NS	NS	mg/kg	<0.0187 U	NA	<0.0178 U	NA	<0.0177 U	NA	<0.0171 U	NA	<0.0174 UJ	NA	<0.0191 U	NA	<0.0182 U	<0.0182 U	NA	<0.0173 U	NA
PCB-1254 (Aroclor 1254)	11097-69-1	NS	NS	mg/kg	<0.0187 U	NA	<0.0178 U	NA	<0.0177 U	NA	<0.0171 U	NA	<0.0174 UJ	NA	<0.0191 U	NA	<0.0182 U	<0.0182 U	NA	<0.0173 U	NA
PCB-1260 (Aroclor 1260)	11096-82-5	NS	NS	mg/kg	<0.0187 U	NA	<0.0178 U	NA	<0.0177 U	NA	<0.0171 U	NA	<0.0174 UJ	NA	<0.0191 U	NA	<0.0182 U	<0.0182 U	NA	<0.0173 U	NA
Total PCBs	1336-36-3	0.1	1	mg/kg	<0.0187 U	NA	<0.0178 U	NA	<0.0177 U	NA	<0.0171 U	NA	<0.0174 UJ	NA	<0.0191 U	NA	<0.0182 U	<0.0182 U	NA	<0.0173 U	NA
Metals																					
Aluminum	7429-90-5	NS	NS	mg/kg	14,700 B	NA	8,940	NA	7,740	NA	5,390 B	NA	6,270	NA	6,860	NA	7,720 B	7,420	NA	9,460 B	NA
Antimony	7440-36-0	NS	NS	mg/kg	3.44	NA	<2.71 U	NA	<2.79 U	NA	<2.65 U	NA	<2.63 U	NA	<2.89 U	NA	<2.77 UJ	<2.76 U	NA	<2.64 U	NA
Arsenic	7440-38-2	**13**	16	mg/kg	5.3	NA	7.06	NA	8.59	NA	8.59	NA	12.5	NA	2.8	NA	6.16	4.73	NA	**19.8**	NA
Barium	7440-39-3	350	400	mg/kg	95	NA	141 J	NA	110	NA	40.4	NA	154	NA	57.5	NA	92.3	80.4 J	NA	202	NA
Beryllium	7440-41-7	7.2	72	mg/kg	<0.057 U	NA	<0.054 U	NA	<0.055 U	NA	<0.053 U	NA	0.225	NA	<0.058 U	NA	<0.055 U	<0.055 U	NA	0.416	NA
Cadmium	7440-43-9	**2.5**	4.3	mg/kg	0.453	NA	1.08	NA	**2.51**	NA	0.545	NA	0.387	NA	0.384	NA	0.454	0.477	NA	0.526	NA
Calcium	7440-70-2	NS	NS	mg/kg	10,200 B	NA	37,800 J	NA	112,000 B	NA	184,000 B	NA	154,000 B	NA	56,500 B	NA	32,400 J	5,870 J	NA	118,000 B	NA
Chromium, Hexavalent	18540-29-9	1	110	mg/kg	<0.587 U	NA	<0.541 U	NA	<0.546 U	NA	<0.53 U	NA	<0.526 U	NA	<0.578 U	NA	<0.555 U	<0.552 U	NA	<0.527 U	NA
Chromium, Total	7440-47-3	NS	NS	mg/kg	20	NA	23.2	NA	24.3	NA	7.7	NA	10.8	NA	25.4	NA	19.9	16.7	NA	14.2	NA
Chromium, Trivalent	16065-83-1	30	180	mg/kg	20	NA	23.2	NA	24.3	NA	7.7	NA	10.8	NA	25.4	NA	19.9	16.7	NA	14.2	NA
Cobalt	7440-48-4	NS	NS	mg/kg	10	NA	7.13	NA	6.01	NA	3.95	NA	8.44	NA	6.64	NA	6.57	8.1	NA	7.69	NA
Copper	7440-50-8	**50**	270	mg/kg	**86.3**	NA	**153 J**	NA	**96.5**	NA	11	NA	34.4	NA	27.7	NA	39.8 J	30 J	NA	27.2	NA
Cyanide	57-12-5	27	27	mg/kg	3.73	NA	2.05	NA	<0.546 U	NA	<0.53 U	NA	<0.526 U	NA	<0.578 U	NA	<0.555 UJ	<0.552 U	NA	<0.527 U	NA
Iron	7439-89-6	NS	NS	mg/kg	21,200	NA	13,800	NA	15,100	NA	3,500	NA	14,700	NA	20,500	NA	12,800	11,600	NA	12,700	NA
Lead	7439-92-1	**63**	400	mg/kg	**137**	NA	**325**	NA	**152**	NA	13.3	NA	**69.4**	NA	43.4	NA	**210 J**	**192**	NA	**68.4**	NA
Magnesium	7439-95-4	NS	NS	mg/kg	3,010	NA	3,870	NA	12,600	NA	15,500	NA	13,100	NA	6,320	NA	3,300 J	1,930 J	NA	3,850	NA
Manganese	7439-96-5	1600	2000	mg/kg	468	NA	227	NA	250	NA	248	NA	480	NA	334	NA	254	302	NA	181	NA
Mercury	7439-97-6	**0.18**	0.81	mg/kg	**1.22 B**	NA	**0.267**	NA	**0.573**	NA	0.083	NA	<0.0316 U	NA	**0.363**	NA	**0.479**	**0.415**	NA	**0.274**	NA
Nickel	7440-02-0	**30**	310	mg/kg	28 J	NA	20.4 J	NA	27	NA	7.66	NA	18.2	NA	18	NA	26.8 J	27.7 J	NA	24	NA
Potassium	7440-09-7	NS	NS	mg/kg	1,310	NA	1,120	NA	1,240	NA	643	NA	1,280	NA	1,170	NA	1,160	900	NA	1,440	NA
Selenium	7782-49-2	**3.9**	180	mg/kg	<2.84 U	NA	<2.71 U	NA	<2.73 U	NA	**16.9**	NA	<2.63 U	NA	<2.89 U	NA	<2.77 U	<2.76 U	NA	<2.64 U	NA
Silver	7440-22-4	2	180	mg/kg	<0.567 U	NA	<0.541 U	NA	1.19	NA	1.86	NA	<0.526 U	NA	<0.578 U	NA	<0.555 UJ	<0.552 U	NA	<0.527 U	NA
Sodium	7440-23-5	NS	NS	mg/kg	187	NA	436	NA	351	NA	211	NA	154	NA	223	NA	149 J	76.3	NA	138	NA
Thallium	7440-28-0	NS	NS	mg/kg	<2.84 U	NA	<2.71 U	NA	<2.73 U	NA	<2.65 U	NA	<2.63 U	NA	<2.89 U	NA	<2.77 U	<2.76 U	NA	<2.64 U	NA
Vanadium	7440-62-2	NS	NS	mg/kg	29.6	NA	24.9	NA	20	NA	20.4	NA	15.6	NA	26	NA	22.5	27.3	NA	20.4	NA
Zinc	7440-66-6	**109**	10000	mg/kg	**129**	NA	**226**	NA	**163**	NA	36.3	NA	61	NA	84	NA	**118**	85.7	NA	71.8	NA
General Chemistry																					
Solids, Percent	SOLID	NS	NS	Percent	88.1	86.8	92.4	88.8	91.6	88.1	94.4	92.5	95	94	86.4	90	90.1	90.5	64.1	94.9	84.3
Perfluorooctanoic acids																					
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	NS	NS	mg/kg	<0.000218 U	0.000432	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Perfluorobutanoic acid (PFBA)	375-22-4	NS	NS	mg/kg	0.000394	0.000937	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	0.00672	<0.000232 U	0.000284
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Perfluorodecanoic Acid (PFDA)	335-76-2	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	0.000899	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	NS	NS	mg/kg	<0.000218 U	0.000265	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Perfluorononanoic Acid (PFNA)	375-95-1	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Perfluorooctanesulfonamide (FOSA)	754-91-6	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.00088	0.044	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	0.000415	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	0.00065	0.000291	<0.000382 U	0.000255	<0.000251 U
Perfluorooctanoic Acid (PFOA)	335-67-1	0.00066	0.033	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	NS	NS	mg/kg	0.00049	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	0.000481	<0.000232 U	<0.000251 U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	0.000281	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	0.000739 J	<0.00024 UJ	<0.000382 UJ	<0.000232 U	<0.000251 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	NS	NS	mg/kg	<0.000218 U	<0.000258 U	<0.000235 U	<0.000235 U	<0.000264 U	<0.000281 U	<0.000229 U	<0.000235 U	<0.000257 U	<0.00026 U	<0.000289 U	<0.000271 U	<0.000248 U	<0.00024 U	<0.000382 U	<0.000232 U	<0.000251 U

Table 2
Supplemental Remedial Design Investigation Report
Soil Sample Analytical Results

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Notes:

CAS - Chemical Abstract Service
NS - No standard
mg/kg - milligram per kilogram
NA - Not analyzed
RL - Reporting limit
<RL - Not detected
Soil sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Unrestricted Use and Restricted Use Restricted-Residential Soil Cleanup Objectives (SCO).
Criterion comparisons for 3- & 4-methylphenol (m&p cresol) are provided for reference. Promulgated SCOs are for 3-methylphenol (m-cresol) and 4-methylphenol (p-cresol).

Qualifiers:

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

Exceedance Summary:

10 - Result exceeds Unrestricted Use SCOs
10 - Result exceeds Restricted Use Restricted-Residential SCOs

Table 3
Supplemental Remedial Design Investigation Report
Groundwater Sample Analytical Results

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Analyte	CAS Number	NYSDEC Guidance Values	Location	459-MW02	459-MW05	459-MW14	459-MW15	CGMW36	CGMW36	CGMW37	CGMW38	CGMW39
			Sample Name	459-MW02_122921	459-MW05_122921	459-MW14_122921	459-MW15_122921	CGMW36_121421	GWDUP01_121421	CGMW37_121421	CGMW38_121421	CGMW39_121421
			Sample Date	12/29/2021	12/29/2021	12/29/2021	12/29/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021	12/14/2021
			Unit	Result	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds												
1,4-Dioxane (P-Dioxane)	123-91-1	1	ug/l	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U	<0.3 U
Perfluorooctanoic acids												
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	0.1	ug/l	<0.00185 UJ	<0.00179 UJ	<0.00185 U	<0.00179 U	<0.00192 U	<0.00192 U	<0.00192 U	<0.002 U	<0.00192 U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	0.1	ug/l	<0.00185 UJ	<0.00179 U	<0.00185 U	<0.00179 U	<0.00192 U	<0.00192 U	<0.00192 U	<0.002 U	<0.00192 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	0.1	ug/l	<0.00185 UJ	0.0355	0.00249	0.00635	0.00566	0.00594	0.00341	<0.002 U	0.00235
Perfluorobutanoic acid (PFBA)	375-22-4	0.1	ug/l	0.0368 J	0.013	0.00476	0.0282	0.0139	0.00963	0.00957	<0.002 U	0.00626
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	0.1	ug/l	0.0019	<0.00179 U	<0.00185 U	<0.00179 U	<0.00192 U	<0.00192 U	<0.00192 U	<0.002 U	<0.00192 U
Perfluorodecanoic Acid (PFDA)	335-76-2	0.1	ug/l	<0.00185 U	<0.00179 U	<0.00185 U	<0.00179 U	<0.00192 U	<0.00192 U	<0.00192 U	<0.002 U	<0.00192 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	0.1	ug/l	<0.00185 UJ	<0.00179 UJ	<0.00185 U	<0.00179 U	<0.00192 U	<0.00192 U	<0.00192 U	<0.002 U	<0.00192 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	0.1	ug/l	<0.00185 U	<0.00179 U	<0.00185 U	<0.00179 U	<0.00192 U	<0.00192 U	<0.00192 U	<0.002 U	<0.00192 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	0.1	ug/l	0.0192 J	0.0133	<0.00185 U	0.00667	0.00974	0.00933	0.00374	<0.002 U	0.0026
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	0.1	ug/l	0.00433 J	0.00261	<0.00185 U	<0.00179 U	<0.00192 U	0.00239	<0.00192 U	<0.002 U	<0.00192 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	0.1	ug/l	0.00559 J	0.0296	<0.00185 U	0.0195	0.00752	0.00741	0.0055	0.00335	0.00422
Perfluorononanoic Acid (PFNA)	375-95-1	0.1	ug/l	<0.00185 UJ	<0.00179 U	<0.00185 U	<0.00179 U	<0.00192 U	<0.00192 U	<0.00192 U	<0.002 U	<0.00192 U
Perfluorooctanesulfonamide (FOSA)	754-91-6	0.1	ug/l	<0.00185 UJ	<0.00179 U	<0.00185 UJ	<0.00179 U	<0.00192 UJ	<0.00192 UJ	<0.00192 U	<0.002 UJ	0.0322 J
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	0.01	ug/l	0.00645 J	0.00669	<0.00185 U	<0.00179 U	0.00656	0.00618	0.00389	0.00536	0.00534
Perfluorooctanoic Acid (PFOA)	335-67-1	**0.01**	ug/l	**0.0194 J**	**0.0349**	0.00842	**0.0349**	**0.0431**	**0.043**	**0.0186**	0.00372	**0.0172**
Perfluoropentanoic Acid (PFPeA)	2706-90-3	0.1	ug/l	0.0115 J	0.0528	0.00714	0.0163	0.011	0.00844	0.00497	0.00315	0.00445
Perfluorotetradecanoic Acid (PFTA)	376-06-7	0.1	ug/l	<0.00185 U	<0.00179 U	<0.00185 U	<0.00179 U	<0.00192 U	<0.00192 U	<0.00192 U	<0.002 U	<0.00192 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	0.1	ug/l	<0.00185 U	<0.00179 U	<0.00185 U	<0.00179 U	<0.00192 U	<0.00192 U	<0.00192 U	<0.002 U	<0.00192 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	0.1	ug/l	<0.00185 U	<0.00179 U	<0.00185 U	<0.00179 U	<0.00192 U	<0.00192 U	<0.00192 U	<0.002 U	<0.00192 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	0.1	ug/l	<0.00185 UJ	<0.00179 UJ	<0.00185 U	<0.00179 UJ	<0.00192 U	<0.00192 U	<0.00192 U	<0.002 U	<0.00192 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	0.1	ug/l	0.018 J	<0.00446 UJ	<0.00463 U	<0.00446 UJ	<0.00481 U	<0.00481 U	<0.00481 U	<0.005 U	<0.00481 U

Table 3
Supplemental Remedial Design Investigation Report
Groundwater Sample Analytical Results

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Notes:

CAS - Chemical Abstract Service
NS - No standard
ug/l - microgram per liter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Groundwater sample analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Part 375 Remedial Programs Guidelines for Sampling and Analysis of Per- and Polyfluoroalkyl Substances (PFAS) (June 2021) and the 1,4-Dioxane value reflects the drinking water maximum contaminant level (MCL) adopted by New York State for public water systems (July 2020). Pursuant to Part 375-1.7(f)(2), the NYSDEC will treat the MCL as relevant and appropriate and will consider this value in remedy selection.

Qualifiers:

J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
UJ - The analyte was not detected at a level greater than or equal to the RL; however, the reported RL is approximate and may be inaccurate or imprecise.
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Exceedance Summary:

10 - Result exceeds NYSDEC Guidance Values

Table 4
Supplemental Remedial Design Investigation Report
Soil Vapor Sample Analytical Results

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Analyte	CAS Number	Location	SV01	SV02	SV03	SV04	SV05	SV06	SV07	SV08
		Sample Name	SV01_121721	SV02_121721	SV03_121721	SV04_121721	SV05_121721	SV06_121721	SV07_121721	SV08_121721
		Sample Date	12/17/2021	12/17/2021	12/17/2021	12/17/2021	12/17/2021	12/17/2021	12/17/2021	12/17/2021
		Sample Date	SV	SV	SV	SV	SV	SV	SV	SV
		Unit	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	630-20-6	ug/m3	<2.34 U	<5.8 U	<5.02 U	<4.02 U	<12.1 U	<10.9 U	<10.1 U	<2.35 U
1,1,1-Trichloroethane	71-55-6	ug/m3	12.3 D	4.61 D	<3.99 U	<3.2 U	<9.64 U	<8.7 U	<7.99 U	<1.87 U
1,1,2,2-Tetrachloroethane	79-34-5	ug/m3	<2.34 U	<5.8 U	<5.02 U	<4.02 U	<12.1 U	<10.9 U	<10.1 U	<2.35 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/m3	<2.61 U	<6.48 U	<5.6 U	<4.49 U	<13.5 U	<12.2 U	<11.2 U	<2.62 U
1,1,2-Trichloroethane	79-00-5	ug/m3	<1.86 U	<4.61 U	<3.99 U	<3.2 U	<9.64 U	<8.7 U	<7.99 U	<1.87 U
1,1-Dichloroethane	75-34-3	ug/m3	4.14 D	<3.42 U	6.51 D	<2.37 U	<7.15 U	<6.45 U	<5.93 U	<1.38 U
1,1-Dichloroethene	75-35-4	ug/m3	0.676 D	<1.68 U	<1.45 U	<1.16 U	<3.5 U	<3.16 U	<2.9 U	<0.678 U
1,2,4-Trichlorobenzene	120-82-1	ug/m3	<2.53 U	<6.27 U	<5.43 U	<4.35 U	<13.1 U	<11.8 U	<10.9 U	<2.54 U
1,2,4-Trimethylbenzene	95-63-6	ug/m3	2.18 D	7.07 D	<3.59 U	45.8 D	82.5 D	2,470 D	2,940 D	70.6 D
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/m3	<2.62 U	<6.5 U	<5.62 U	<4.5 U	<13.6 U	<12.2 U	<11.2 U	<2.63 U
1,2-Dichlorobenzene	95-50-1	ug/m3	<2.05 U	<5.08 U	<4.4 U	<3.52 U	<10.6 U	<9.58 U	<8.8 U	<2.06 U
1,2-Dichloroethane	107-06-2	ug/m3	<1.38 U	<3.42 U	<2.96 U	<2.37 U	<7.15 U	<6.45 U	<5.92 U	<1.38 U
1,2-Dichloropropane	78-87-5	ug/m3	<1.58 U	<3.91 U	<3.38 U	<2.71 U	<8.16 U	<7.37 U	<6.76 U	<1.58 U
1,2-Dichlorotetrafluoroethane	76-14-2	ug/m3	<2.39 U	<5.91 U	<5.11 U	<4.09 U	<12.3 U	<11.1 U	<10.2 U	<2.39 U
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/m3	<1.68 U	<4.16 U	<3.59 U	13.8 D	44.3 D	740 D	1,000 D	37.7 D
1,3-Butadiene	106-99-0	ug/m3	<2.26 U	<5.61 U	<4.85 U	<3.89 U	<11.7 U	<10.6 U	<9.72 U	<2.27 U
1,3-Dichlorobenzene	541-73-1	ug/m3	<2.05 U	10.2 D	<4.4 U	<3.52 U	<10.6 U	<9.58 U	<8.8 U	<2.06 U
1,3-Dichloropropane	142-28-9	ug/m3	<1.58 U	<3.91 U	<3.38 U	<2.71 U	<8.16 U	<7.37 U	<6.77 U	<1.58 U
1,4-Dichlorobenzene	106-46-7	ug/m3	<2.05 U	<5.08 U	<4.4 U	<3.52 U	<10.6 U	<9.58 U	<8.8 U	<2.06 U
1,4-Dioxane (P-Dioxane)	123-91-1	ug/m3	<2.46 U	<6.09 U	<5.27 U	<4.22 U	<12.7 U	<11.5 U	<10.6 U	<2.46 U
2-Hexanone (MBK)	591-78-6	ug/m3	<2.8 U	14.5 D	<5.99 U	<4.8 U	<14.5 U	<13.1 U	<12 U	<2.8 U
4-Ethyltoluene	622-96-8	ug/m3	2.85 D	9.98 D	<3.59 U	34.8 D	233 D	1,400 D	1,090 D	76.3 D
Acetone	67-64-1	ug/m3	18.7 D	121 D	30.6 D	43.7 D	52.9 D	121 D	145 D	25.2 D
Acrylonitrile	107-13-1	ug/m3	<0.74 U	<1.83 U	<1.59 U	<1.27 U	<3.83 U	<3.46 U	<3.18 U	<0.742 U
Allyl Chloride (3-Chloropropene)	107-05-1	ug/m3	<5.34 U	<13.2 U	<11.4 U	<9.16 U	<27.6 U	<24.9 U	<22.9 U	<5.35 U
Benzene	71-43-2	ug/m3	118 D	113 D	10.7 D	14.6 D	3,330 D	517 D	817 D	382 D
Benzyl Chloride	100-44-7	ug/m3	<1.77 U	<4.38 U	<3.79 U	<3.03 U	<9.14 U	<8.25 U	<7.58 U	<1.77 U
Bromodichloromethane	75-27-4	ug/m3	<2.29 U	<5.66 U	<4.9 U	<3.92 U	<11.8 U	<10.7 U	<9.81 U	<2.29 U
Bromoethene	593-60-2	ug/m3	<1.49 U	<3.7 U	<3.2 U	<2.56 U	<7.72 U	<6.97 U	<6.4 U	<1.5 U
Bromoform	75-25-2	ug/m3	<3.53 U	<8.74 U	<7.56 U	<6.05 U	<18.3 U	<16.5 U	<15.1 U	<3.54 U
Bromomethane	74-83-9	ug/m3	<1.32 U	<3.28 U	<2.84 U	<2.27 U	<6.86 U	<6.19 U	<5.68 U	<1.33 U
Carbon Disulfide	75-15-0	ug/m3	37.9 D	3.95 D	22.5 D	54.3 D	42.9 D	224 D	204 D	9.37 D
Carbon Tetrachloride	56-23-5	ug/m3	<0.537 U	<1.33 U	<1.15 U	<0.921 U	<2.78 U	<2.51 U	<2.3 U	<0.538 U
Chlorobenzene	108-90-7	ug/m3	<1.57 U	<3.89 U	<3.37 U	<2.7 U	<8.13 U	<7.34 U	<6.74 U	<1.57 U
Chloroethane	75-00-3	ug/m3	<0.9 U	<2.23 U	<1.93 U	<1.55 U	<4.66 U	<4.21 U	<3.86 U	<0.902 U
Chloroform	67-66-3	ug/m3	5.33 D	<4.13 U	7.5 D	<2.86 U	<8.62 U	<7.78 U	<7.15 U	<1.67 U
Chloromethane	74-87-3	ug/m3	<0.705 U	<1.75 U	<1.51 U	<1.21 U	<3.65 U	<3.29 U	<3.02 U	<0.706 U
Cis-1,2-Dichloroethene	156-59-2	ug/m3	946 D	2.01 D	11.9 D	<1.16 U	<3.5 U	<3.16 U	<2.9 U	<0.678 U
Cis-1,3-Dichloropropene	10061-01-5	ug/m3	<1.55 U	<3.84 U	<3.32 U	<2.66 U	<8.02 U	<7.23 U	<6.64 U	<1.55 U
Cyclohexane	110-82-7	ug/m3	5.75 D	<2.91 U	69.5 D	4.84 D	286 D	444 D	222 D	30.3 D
Dibromochloromethane	124-48-1	ug/m3	<2.91 U	<7.2 U	<6.23 U	<4.99 U	<15 U	<13.6 U	<12.5 U	<2.91 U
Dichlorodifluoromethane	75-71-8	ug/m3	2.7 D	<4.18 U	<3.62 U	2.9 D	<8.73 U	<7.88 U	<7.24 U	2.54 D
Ethyl Acetate	141-78-6	ug/m3	<2.46 U	<6.09 U	<5.27 U	<4.22 U	<12.7 U	<11.5 U	<10.6 U	<2.46 U
Ethylbenzene	100-41-4	ug/m3	6.67 D	16.9 D	<3.18 U	29.2 D	998 D	5,160 D	6,050 D	97.4 D
Hexachlorobutadiene	87-68-3	ug/m3	<3.64 U	<9.02 U	<7.8 U	<6.25 U	<18.8 U	<17 U	<15.6 U	<3.65 U
Isopropanol	67-63-0	ug/m3	2.68 D	6.44 D	4.13 D	<2.88 U	<8.68 U	<7.84 U	<7.2 U	2.61 D
M,P-Xylene	179601-23-1	ug/m3	12.1 D	49.2 D	<6.35 U	20.8 D	650 D	894 D	930 D	57.5 D
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/m3	4.73 D	85 D	<2.16 U	12.3 D	<5.21 U	16.9 D	32 D	3.83 D
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/m3	<1.4 U	<3.46 U	<3 U	<2.4 U	<7.23 U	<6.53 U	<6 U	<1.4 U
Methyl Methacrylate	80-62-6	ug/m3	<1.4 U	<3.46 U	<2.99 U	<2.4 U	<7.23 U	<6.53 U	<5.99 U	<1.4 U
Methylene Chloride	75-09-2	ug/m3	2.84 D	6.17 D	7.11 D	<4.07 U	<12.3 U	<11.1 U	<10.2 U	<2.38 U
n-Heptane	142-82-5	ug/m3	127 D	59.3 D	<3 U	6.48 D	143 D	365 D	274 D	30.3 D
n-Hexane	110-54-3	ug/m3	180 D	30.1 D	27.8 D	12.6 D	301 D	392 D	362 D	47.7 D
o-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/m3	5.04 D	23.5 D	<3.17 U	23.4 D	597 D	1,180 D	1,090 D	71.3 D
Propylene	115-07-1	ug/m3	<0.587 U	30.1 D	<1.26 U	304 D	543 D	<2.74 U	<2.52 U	235 D
Styrene	100-42-5	ug/m3	<1.45 U	<3.6 U	<3.11 U	<2.49 U	<7.52 U	<6.79 U	<6.24 U	<1.46 U
Tert-Butyl Methyl Ether	1634-04-4	ug/m3	<1.23 U	<3.05 U	<2.64 U	<2.11 U	<6.37 U	<5.75 U	<5.28 U	<1.23 U
Tetrachloroethene (PCE)	127-18-4	ug/m3	25,100 D	2,200 D	<4.96 U	<3.97 U	<12 U	14.1 D	19.9 D	3.25 D
Tetrahydrofuran	109-99-9	ug/m3	<2.01 U	<4.99 U	<4.31 U	<3.45 U	<10.4 U	<9.4 U	<8.64 U	<2.02 U
Toluene	108-88-3	ug/m3	31.4 D	79.7 D	5.79 D	10.6 D	340 D	214 D	221 D	130 D
Trans-1,2-Dichloroethene	156-60-5	ug/m3	25 D	<3.35 U	<2.9 U	<2.32 U	<7 U	<6.32 U	<5.8 U	<1.36 U
Trans-1,3-Dichloropropene	10061-02-6	ug/m3	<1.55 U	<3.84 U	<3.32 U	<2.66 U	<8.02 U	<7.23 U	<6.64 U	<1.55 U
Trichloroethene (TCE)	79-01-6	ug/m3	1,900 D	13.2 D	<0.982 U	<0.787 U	<2.37 U	<2.14 U	<1.97 U	2.02 D
Trichlorofluoromethane	75-69-4	ug/m3	<1.92 U	<4.75 U	<4.11 U	<3.29 U	<9.92 U	<8.96 U	<8.23 U	<1.92 U
Vinyl Acetate	108-05-4	ug/m3	<1.2 U	<2.98 U	<2.57 U	<2.06 U	<6.22 U	<5.61 U	<5.15 U	<1.2 U
Vinyl Chloride	75-01-4	ug/m3	<0.436 U	<1.08 U	43.2 D	<0.748 U	<2.26 U	<2.04 U	<1.87 U	<0.437 U

Table 4
Supplemental Remedial Design Investigation Report
Soil Vapor Sample Analytical Results

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Notes:

SV - Soil Vapor
CAS - Chemical Abstract Service
NS - No standard
ug/m3 - microgram per cubic meter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Qualifiers:

D - The concentration reported is a result of a diluted sample.
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

Table 5
Supplemental Remedial Design Investigation Report
Quality Assurance/Quality Control Sample Analytical Results Summary

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Analyte	CAS Number	QC Matrix	Groundwater Blanks				Soil Blanks			
		Sample Name	FB01_121421	GWFB01_121421	SOFB01_121421	FB02_122921	TB01_121521	FB02_121521	SOFB02_121521	SOFB03_121621
		Sample Date	12/14/2021	12/14/2021	12/14/2021	12/29/2021	12/15/2021	12/15/2021	12/15/2021	12/16/2021
		Sample Type	FB	FB	FB	FB	TB	FB	FB	FB
		Unit	Result	Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds										
1,1,1,2-Tetrachloroethane	630-20-6	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,1,1-Trichloroethane	71-55-6	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,1,2-Trichloroethane	79-00-5	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,1-Dichloroethane	75-34-3	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,1-Dichloroethene	75-35-4	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,2,3-Trichlorobenzene	87-61-6	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,2,3-Trichloropropane	96-18-4	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,2,4-Trichlorobenzene	120-82-1	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,2,4-Trimethylbenzene	95-63-6	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,2-Dibromo-3-Chloropropane	96-12-8	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,2-Dibromoethane (Ethylene Dibromide)	106-93-4	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,2-Dichlorobenzene	95-50-1	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,2-Dichloroethane	107-06-2	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,2-Dichloropropane	78-87-5	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,3,5-Trimethylbenzene (Mesitylene)	108-67-8	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,3-Dichlorobenzene	541-73-1	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,3-Dichloropropane	142-28-9	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,4-Dichlorobenzene	106-46-7	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,4-Diethyl Benzene	105-05-5	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
1,4-Dioxane (P-Dioxane)	123-91-1	ug/l	<40 U	NA	NA	NA	<40 U	<40 U	NA	NA
2-Hexanone (MBK)	591-78-6	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
4-Ethyltoluene	622-96-8	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Acetone	67-64-1	ug/l	<1 U	NA	NA	NA	<1 U	<1 U	NA	NA
Acrolein	107-02-8	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Acrylonitrile	107-13-1	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Benzene	71-43-2	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Bromochloromethane	74-97-5	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Bromodichloromethane	75-27-4	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Bromoform	75-25-2	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Bromomethane	74-83-9	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Carbon Disulfide	75-15-0	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Carbon Tetrachloride	56-23-5	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Chlorobenzene	108-90-7	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Chloroethane	75-00-3	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Chloroform	67-66-3	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Chloromethane	74-87-3	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Cis-1,2-Dichloroethene	156-59-2	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Cis-1,3-Dichloropropene	10061-01-5	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Cyclohexane	110-82-7	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Dibromochloromethane	124-48-1	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Dibromomethane	74-95-3	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Dichlorodifluoromethane	75-71-8	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Hexachlorobutadiene	87-68-3	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Isopropylbenzene (Cumene)	98-82-8	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
M,P-Xylene	179601-23-1	ug/l	<0.5 U	NA	NA	NA	<0.5 U	<0.5 U	NA	NA
Methyl Acetate	79-20-9	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Methyl Ethyl Ketone (2-Butanone)	78-93-3	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	108-10-1	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Methylcyclohexane	108-87-2	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Methylene Chloride	75-09-2	ug/l	1.43 J	NA	NA	NA	<1 U	1.84 J	NA	NA
n-Butylbenzene	104-51-8	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
n-Propylbenzene	103-65-1	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
o-Xylene (1,2-Dimethylbenzene)	95-47-6	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
p-Cymene (p-Isopropyltoluene)	CYMP	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Sec-Butylbenzene	135-98-8	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Styrene	100-42-5	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
T-Butylbenzene	98-06-6	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Tert-Butyl Alcohol	75-65-0	ug/l	<0.5 U	NA	NA	NA	<0.5 U	<0.5 U	NA	NA
Tert-Butyl Methyl Ether	1634-04-4	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Tetrachloroethene (PCE)	127-18-4	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Toluene	108-88-3	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Total Xylenes	1330-20-7	ug/l	<0.6 U	NA	NA	NA	<0.6 U	<0.6 U	NA	NA
Trans-1,2-Dichloroethene	156-60-5	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Trans-1,3-Dichloropropene	10061-02-6	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Trichloroethene (TCE)	79-01-6	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Trichlorofluoromethane	75-69-4	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA
Vinyl Chloride	75-01-4	ug/l	<0.2 U	NA	NA	NA	<0.2 U	<0.2 U	NA	NA

Table 5
Supplemental Remedial Design Investigation Report
Quality Assurance/Quality Control Sample Analytical Results Summary

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Analyte	CAS Number	QC Matrix	Groundwater Blanks				Soil Blanks			
		Sample Name	FB01_121421	GWFB01_121421	SOFB01_121421	FB02_122921	TB01_121521	FB02_121521	SOFB02_121521	SOFB03_121621
		Sample Date	12/14/2021	12/14/2021	12/14/2021	12/29/2021	12/15/2021	12/15/2021	12/15/2021	12/16/2021
		Sample Type	FB	FB	FB	FB	TB	FB	FB	FB
		Unit	Result	Result	Result	Result	Result	Result	Result	Result
Semi-Volatile Organic Compounds										
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
1,2,4-Trichlorobenzene	120-82-1	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
1,2-Dichlorobenzene	95-50-1	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
1,2-Diphenylhydrazine	122-66-7	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
1,3-Dichlorobenzene	541-73-1	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
1,4-Dichlorobenzene	106-46-7	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
1,4-Dioxane (P-Dioxane)	123-91-1	ug/l	<0.3 U	NA	NA	<0.3 U	NA	<0.3 U	NA	NA
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
2,4,5-Trichlorophenol	95-95-4	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
2,4,6-Trichlorophenol	88-06-2	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
2,4-Dichlorophenol	120-83-2	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
2,4-Dimethylphenol	105-67-9	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
2,4-Dinitrophenol	51-28-5	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
2,4-Dinitrotoluene	121-14-2	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
2,6-Dinitrotoluene	606-20-2	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
2-Chloronaphthalene	91-58-7	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
2-Chlorophenol	95-57-8	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
2-Methylnaphthalene	91-57-6	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
2-Methylphenol (o-Cresol)	95-48-7	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
2-Nitroaniline	88-74-4	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
2-Nitrophenol	88-75-5	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
3 & 4 Methylphenol (m&p Cresol)	65794-96-9	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
3,3'-Dichlorobenzidine	91-94-1	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
3-Nitroaniline	99-09-2	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
4,6-Dinitro-2-Methylphenol	534-52-1	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
4-Bromophenyl Phenyl Ether	101-55-3	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
4-Chloro-3-Methylphenol	59-50-7	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
4-Chloroaniline	106-47-8	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
4-Chlorophenyl Phenyl Ether	7005-72-3	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
4-Nitroaniline	100-01-6	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
4-Nitrophenol	100-02-7	ug/l	<5.56 U	NA	NA	NA	NA	<5.26 U	NA	NA
Acenaphthene	83-32-9	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Acenaphthylene	208-96-8	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Acetophenone	98-86-2	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Alpha-Terpineol	98-55-5	ug/l	<5.56 U	NA	NA	NA	NA	<5.26 U	NA	NA
Aniline (Phenylamine, Aminobenzene)	62-53-3	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Anthracene	120-12-7	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Atrazine	1912-24-9	ug/l	<0.556 U	NA	NA	NA	NA	<0.526 U	NA	NA
Benzaldehyde	100-52-7	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Benzidine	92-87-5	ug/l	<5.56 U	NA	NA	NA	NA	<5.26 U	NA	NA
Benzo(a)anthracene	56-55-3	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Benzo(a)pyrene	50-32-8	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Benzo(b)fluoranthene	205-99-2	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Benzo(g,h,i)Perylene	191-24-2	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Benzo(k)fluoranthene	207-08-9	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Benzoic Acid	65-85-0	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Benzyl Alcohol	100-51-6	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Benzyl Butyl Phthalate	85-68-7	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Biphenyl (Diphenyl)	92-52-4	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Bis(2-chloroethoxy) methane	111-91-1	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Bis(2-chloroethyl) ether (2-chloroethyl ether)	111-44-4	ug/l	<1.11 U	NA	NA	NA	NA	<1.05 U	NA	NA
Bis(2-chloroisopropyl) ether	108-60-1	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Bis(2-ethylhexyl) phthalate	117-81-7	ug/l	<0.556 U	NA	NA	NA	NA	<0.526 U	NA	NA
Caprolactam	105-60-2	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Carbazole	86-74-8	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Chrysene	218-01-9	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Dibenz(a,h)anthracene	53-70-3	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Dibenzofuran	132-64-9	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Dibutyl phthalate	84-74-2	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Diethyl phthalate	84-66-2	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Dimethyl phthalate	131-11-3	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Dioctyl phthalate	117-84-0	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Fluoranthene	206-44-0	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Fluorene	86-73-7	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Hexachlorobenzene	118-74-1	ug/l	<0.0222 U	NA	NA	NA	NA	<0.0211 U	NA	NA
Hexachlorobutadiene	87-68-3	ug/l	<0.556 U	NA	NA	NA	NA	<0.526 U	NA	NA
Hexachlorocyclopentadiene	77-47-4	ug/l	<5.56 U	NA	NA	NA	NA	<5.26 U	NA	NA
Hexachloroethane	67-72-1	ug/l	<0.556 U	NA	NA	NA	NA	<0.526 U	NA	NA
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Isophorone	78-59-1	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Naphthalene	91-20-3	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Nitrobenzene	98-95-3	ug/l	<0.278 U	NA	NA	NA	NA	<0.263 U	NA	NA
n-Nitrosodimethylamine	62-75-9	ug/l	<0.556 U	NA	NA	NA	NA	<0.526 U	NA	NA
n-Nitrosodi-N-Propylamine	621-64-7	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
n-Nitrosodiphenylamine	86-30-6	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Pentachlorophenol	87-86-5	ug/l	<0.278 U	NA	NA	NA	NA	<0.263 U	NA	NA
Phenanthrene	85-01-8	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA
Phenol	108-95-2	ug/l	<2.78 U	NA	NA	NA	NA	<2.63 U	NA	NA
Pyrene	129-00-0	ug/l	<0.0556 U	NA	NA	NA	NA	<0.0526 U	NA	NA

Table 5
Supplemental Remedial Design Investigation Report
Quality Assurance/Quality Control Sample Analytical Results Summary

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Analyte	CAS Number	QC Matrix	Groundwater Blanks				Soil Blanks			
		Sample Name	FB01_121421	GWFB01_121421	SOFB01_121421	FB02_122921	TB01_121521	FB02_121521	SOFB02_121521	SOFB03_121621
		Sample Date	12/14/2021	12/14/2021	12/14/2021	12/29/2021	12/15/2021	12/15/2021	12/15/2021	12/16/2021
		Sample Type	FB	FB	FB	FB	TB	FB	FB	FB
		Unit	Result	Result	Result	Result	Result	Result	Result	Result
Pesticides										
4,4'-DDD	72-54-8	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
4,4'-DDE	72-55-9	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
4,4'-DDT	50-29-3	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
Aldrin	309-00-2	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
Alpha BHC (Alpha Hexachlorocyclohexane)	319-84-6	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
Alpha Chlordane	5103-71-9	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
Alpha Endosulfan	959-98-8	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
Beta Bhc (Beta Hexachlorocyclohexane)	319-85-7	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
Beta Endosulfan	33213-65-9	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
Chlordane (alpha and gamma)	57-74-9	ug/l	<0.0108 U	NA	NA	NA	NA	<0.01 U	NA	NA
Delta Bhc (Delta Hexachlorocyclohexane)	319-86-8	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
Dieldrin	60-57-1	ug/l	<0.00216 U	NA	NA	NA	NA	<0.002 U	NA	NA
Endosulfan Sulfate	1031-07-8	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
Endrin	72-20-8	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
Endrin Aldehyde	7421-93-4	ug/l	<0.0108 U	NA	NA	NA	NA	<0.01 U	NA	NA
Endrin Ketone	53494-70-5	ug/l	<0.0108 U	NA	NA	NA	NA	<0.01 U	NA	NA
Gamma Bhc (Lindane)	58-89-9	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
Gamma-Chlordane	5566-34-7	ug/l	<0.0108 U	NA	NA	NA	NA	<0.01 U	NA	NA
Heptachlor	76-44-8	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
Heptachlor Epoxide	1024-57-3	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
Methoxychlor	72-43-5	ug/l	<0.00432 U	NA	NA	NA	NA	<0.004 U	NA	NA
Toxaphene	8001-35-2	ug/l	<0.108 U	NA	NA	NA	NA	<0.1 U	NA	NA
Herbicides										
2,4,5-T (Trichlorophenoxyacetic Acid)	93-76-5	ug/l	<5 U	NA	NA	NA	NA	<5 U	NA	NA
2,4-D (Dichlorophenoxyacetic Acid)	94-75-7	ug/l	<5 U	NA	NA	NA	NA	<5 U	NA	NA
Silvex (2,4,5-Tp)	93-72-1	ug/l	<5 U	NA	NA	NA	NA	<5 U	NA	NA
Polychlorinated Biphenyl										
PCB-1016 (Aroclor 1016)	12674-11-2	ug/l	<0.0541 U	NA	NA	NA	NA	<0.05 U	NA	NA
PCB-1221 (Aroclor 1221)	11104-28-2	ug/l	<0.0541 U	NA	NA	NA	NA	<0.05 U	NA	NA
PCB-1232 (Aroclor 1232)	11141-16-5	ug/l	<0.0541 U	NA	NA	NA	NA	<0.05 U	NA	NA
PCB-1242 (Aroclor 1242)	53469-21-9	ug/l	<0.0541 U	NA	NA	NA	NA	<0.05 U	NA	NA
PCB-1248 (Aroclor 1248)	12672-29-6	ug/l	<0.0541 U	NA	NA	NA	NA	<0.05 U	NA	NA
PCB-1254 (Aroclor 1254)	11097-69-1	ug/l	<0.0541 U	NA	NA	NA	NA	<0.05 U	NA	NA
PCB-1260 (Aroclor 1260)	11096-82-5	ug/l	<0.0541 U	NA	NA	NA	NA	<0.05 U	NA	NA
Total PCBs	1336-36-3	ug/l	<0.0541 U	NA	NA	NA	NA	<0.05 U	NA	NA
Metals										
Aluminum	7429-90-5	ug/l	<55.6 U	NA	NA	NA	NA	<55.6 U	NA	NA
Antimony	7440-36-0	ug/l	<1.11 U	NA	NA	NA	NA	<1.11 U	NA	NA
Arsenic	7440-38-2	ug/l	<1.11 U	NA	NA	NA	NA	<1.11 U	NA	NA
Barium	7440-39-3	ug/l	<27.8 U	NA	NA	NA	NA	<27.8 U	NA	NA
Beryllium	7440-41-7	ug/l	<0.333 U	NA	NA	NA	NA	<0.333 U	NA	NA
Cadmium	7440-43-9	ug/l	<0.556 U	NA	NA	NA	NA	<0.556 U	NA	NA
Calcium	7440-70-2	ug/l	<55.6 U	NA	NA	NA	NA	<55.6 U	NA	NA
Chromium, Hexavalent	18540-29-9	ug/l	<10 U	NA	NA	NA	NA	<10 U	NA	NA
Chromium, Total	7440-47-3	ug/l	<5.56 U	NA	NA	NA	NA	<5.56 U	NA	NA
Chromium, Trivalent	16065-83-1	ug/l	<10 U	NA	NA	NA	NA	<10 U	NA	NA
Cobalt	7440-48-4	ug/l	<4.44 U	NA	NA	NA	NA	<4.44 U	NA	NA
Copper	7440-50-8	ug/l	<22.2 U	NA	NA	NA	NA	<22.2 U	NA	NA
Cyanide	57-12-5	ug/l	<10 U	NA	NA	NA	NA	<10 U	NA	NA
Iron	7439-89-6	ug/l	<278 U	NA	NA	NA	NA	<278 U	NA	NA
Lead	7439-92-1	ug/l	<5.56 U	NA	NA	NA	NA	<5.56 U	NA	NA
Magnesium	7439-95-4	ug/l	<55.6 U	NA	NA	NA	NA	<55.6 U	NA	NA
Manganese	7439-96-5	ug/l	<5.56 U	NA	NA	NA	NA	<5.56 U	NA	NA
Mercury	7439-97-6	ug/l	<0.2 U	NA	NA	NA	NA	<0.2 U	NA	NA
Nickel	7440-02-0	ug/l	<11.1 U	NA	NA	NA	NA	<11.1 U	NA	NA
Potassium	7440-09-7	ug/l	<55.6 U	NA	NA	NA	NA	<55.6 U	NA	NA
Selenium	7782-49-2	ug/l	<1.11 U	NA	NA	NA	NA	<1.11 U	NA	NA
Silver	7440-22-4	ug/l	<5.56 U	NA	NA	NA	NA	<5.56 U	NA	NA
Sodium	7440-23-5	ug/l	<556 U	NA	NA	NA	NA	<556 U	NA	NA
Thallium	7440-28-0	ug/l	<1.11 U	NA	NA	NA	NA	<1.11 U	NA	NA
Vanadium	7440-62-2	ug/l	<11.1 U	NA	NA	NA	NA	<11.1 U	NA	NA
Zinc	7440-66-6	ug/l	<27.8 U	NA	NA	NA	NA	<27.8 U	NA	NA
Perfluorooctanoic acids										
N-ethyl perfluorooctane- sulfonamidoacetic Acid (NEtFOSAA)	2991-50-6	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
N-methyl perfluorooctane- sulfonamidoacetic Acid (NMeFOSAA)	2355-31-9	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluorobutanoic acid (PFBA)	375-22-4	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluorodecanoic Acid (PFDA)	335-76-2	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluorododecanoic Acid (PFDoA)	307-55-1	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluoroheptanoic acid (PFHpA)	375-85-9	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluorohexanoic Acid (PFHxA)	307-24-4	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluorononanoic Acid (PFNA)	375-95-1	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluorooctanesulfonamide (FOSA)	754-91-6	ug/l	NA	<0.00185 U	0.002	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluorooctanoic Acid (PFOA)	335-67-1	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluoropentanoic Acid (PFPeA)	2706-90-3	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluorotetradecanoic Acid (PFTA)	376-06-7	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2) (8:2FTS)	39108-34-4	ug/l	NA	<0.00185 U	<0.00185 U	<0.00179 U	NA	NA	<0.002 U	<0.002 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2) (6:2FTS)	27619-97-2	ug/l	NA	<0.00463 U	<0.00463 U	<0.00446 U	NA	NA	<0.005 U	<0.005 U

Table 5
Supplemental Remedial Design Investigation Report
Quality Assurance/Quality Control Sample Analytical Results Summary

459 Smith Street
Brooklyn, New York
NYSDEC BCP Site No.: C224012B
Langan Project No.: 170420201

Notes:

FB - Field Blank
TB - Trip Blank
CAS - Chemical Abstract Service
NS - No standard
ug/l - microgram per liter
NA - Not analyzed
RL - Reporting limit
<RL - Not detected

Qualifiers:

J - The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
U - The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

ATTACHMENT A
Community Air Monitoring Plan Data

LANGAN

459 Smith Street
170420201
CAMP Data Summary

Date: 12/14/2021
Observer: Andrew Nesci

Particulate Monitoring			
		Upwind	**Downwind**
Minimum 15min Average		0.008	0.011
Maximum 15min Average		0.023	0.020
High Intervals "exceedances" (15min > 1.5 + Upwind level)		N/A	No
Minimum 1min Reading		0.007	0.004
Maximum 1min Reading		0.055	0.049

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.1	0.2
High Intervals "exceedances" (15min > 5 + Upwind level)	N/A	No
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.1	0.3

All reported particulate concentrations are in mg/m3 or milligrams per cubic meter and all reported organic vapor concentrations are in ppm or parts per million, unless specified otherwise.

December 14, 2021						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						549
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
6:52	0.027		6:52	0.011		
6:53	0.019		6:53	0.011		
6:54	0.020		6:54	0.014		
6:55	0.014		6:55	0.013		
6:56	0.013		6:56	0.025		
6:57	0.014		6:57	0.019		
6:58	0.015		6:58	0.023		
6:59	0.013		6:59	0.019		
7:00	0.013		7:00	0.016		
7:01	0.017		7:01	0.013		
7:02	0.013		7:02	0.013		
7:03	0.013		7:03	0.015		
7:04	0.016		7:04	0.013		
7:05	0.015		7:05	0.012		
7:06	0.015	0.016	7:06	0.012		
7:07	0.015	0.015	7:07	0.012		
7:08	0.013	0.015	7:08	0.011		
7:09	0.013	0.014	7:09	0.011	0.015	-
7:10	0.013	0.014	7:10	0.011	0.015	-
7:11	0.013	0.014	7:11	0.021	0.015	-
7:12	0.015	0.014	7:12	0.016	0.015	-
7:13	0.016	0.014	7:13	0.015	0.014	-
7:14	0.018	0.015	7:14	0.013	0.014	-
7:15	0.014	0.015	7:15	0.014	0.013	-
7:16	0.013	0.014	7:16	0.013	0.013	-
7:17	0.014	0.014	7:17	0.010	0.013	-
7:18	0.013	0.014	7:18	0.011	0.013	-
7:19	0.013	0.014	7:19	0.011	0.013	-
7:20	0.013	0.014	7:20	0.010	0.013	-
7:21	0.015	0.014	7:21	0.010	0.013	-
7:22	0.013	0.014	7:22	0.011	0.013	-
7:23	0.013	0.014	7:23	0.010	0.012	-
7:24	0.013	0.014	7:24	0.010	0.012	-
7:25	0.013	0.014	7:25	0.010	0.012	-
7:26	0.014	0.014	7:26	0.010	0.012	-
7:27	0.014	0.014	7:27	0.010	0.011	-
7:28	0.015	0.014	7:28	0.011	0.011	-
7:29	0.014	0.014	7:29	0.017	0.011	-
7:30	0.016	0.014	7:30	0.013	0.011	-
7:31	0.016	0.014	7:31	0.017	0.011	-
7:32	0.017	0.014	7:32	0.015	0.012	-
7:33	0.016	0.014	7:33	0.013	0.012	-
7:34	0.016	0.015	7:34	0.012	0.012	-
7:35	0.015	0.015	7:35	0.013	0.012	-
7:36	0.014	0.015	7:36	0.014	0.012	-
7:37	0.015	0.015	7:37	0.012	0.012	-
7:38	0.014	0.015	7:38	0.012	0.013	-
7:39	0.014	0.015	7:39	0.011	0.013	-
7:40	0.014	0.015	7:40	0.013	0.013	-
7:41	0.014	0.015	7:41	0.012	0.013	-
7:42	0.015	0.015	7:42	0.013	0.013	-
7:43	0.015	0.015	7:43	0.014	0.013	-
7:44	0.014	0.015	7:44	0.012	0.013	-
7:45	0.015	0.015	7:45	0.013	0.013	-
7:46	0.016	0.015	7:46	0.013	0.013	-
7:47	0.015	0.015	7:47	0.012	0.013	-
7:48	0.016	0.015	7:48	0.018	0.013	-
7:49	0.018	0.015	7:49	0.033	0.014	-
7:50	0.020	0.015	7:50	0.015	0.014	-
7:51	0.017	0.015	7:51	0.019	0.015	-
7:52	0.017	0.016	7:52	0.014	0.015	-
7:53	0.017	0.016	7:53	0.014	0.015	-
7:54	0.016	0.016	7:54	0.013	0.015	-
7:55	0.016	0.016	7:55	0.012	0.015	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
7:56	0.017	0.016	7:56	0.012	0.015	-
7:57	0.017	0.016	7:57	0.011	0.015	-
7:58	0.018	0.017	7:58	0.012	0.015	-
7:59	0.017	0.017	7:59	0.012	0.015	-
8:00	0.017	0.017	8:00	0.013	0.015	-
8:01	0.019	0.017	8:01	0.014	0.015	-
8:02	0.017	0.017	8:02	0.013	0.015	-
8:03	0.016	0.017	8:03	0.012	0.015	-
8:04	0.016	0.017	8:04	0.013	0.013	-
8:05	0.016	0.017	8:05	0.016	0.013	-
8:06	0.016	0.017	8:06	0.014	0.013	-
8:07	0.018	0.017	8:07	0.013	0.013	-
8:08	0.017	0.017	8:08	0.020	0.013	-
8:09	0.017	0.017	8:09	0.017	0.014	-
8:10	0.027	0.018	8:10	0.013	0.014	-
8:11	0.020	0.018	8:11	0.012	0.014	-
8:12	0.015	0.018	8:12	0.012	0.014	-
8:13	0.017	0.018	8:13	0.012	0.014	-
8:14	0.017	0.018	8:14	0.011	0.014	-
8:15	0.017	0.018	8:15	0.012	0.014	-
8:16	0.017	0.018	8:16	0.015	0.014	-
8:17	0.017	0.018	8:17	0.017	0.014	-
8:18	0.017	0.018	8:18	0.013	0.014	-
8:19	0.016	0.018	8:19	0.013	0.014	-
8:20	0.017	0.018	8:20	0.012	0.014	-
8:21	0.016	0.018	8:21	0.012	0.014	-
8:22	0.017	0.018	8:22	0.012	0.014	-
8:23	0.017	0.018	8:23	0.011	0.013	-
8:24	0.017	0.018	8:24	0.011	0.013	-
8:25	0.016	0.017	8:25	0.012	0.012	-
8:26	0.017	0.017	8:26	0.011	0.012	-
8:27	0.017	0.017	8:27	0.011	0.012	-
8:28	0.016	0.017	8:28	0.011	0.012	-
8:29	0.017	0.017	8:29	0.012	0.012	-
8:30	0.017	0.017	8:30	0.012	0.012	-
8:31	0.016	0.017	8:31	0.012	0.012	-
8:32	0.017	0.017	8:32	0.012	0.012	-
8:33	0.020	0.017	8:33	0.012	0.012	-
8:34	0.020	0.017	8:34	0.011	0.012	-
8:35	0.017	0.017	8:35	0.011	0.012	-
8:36	0.018	0.017	8:36	0.012	0.012	-
8:37	0.018	0.017	8:37	0.011	0.011	-
8:38	0.017	0.017	8:38	0.012	0.012	-
8:39	0.018	0.017	8:39	0.012	0.012	-
8:40	0.017	0.017	8:40	0.012	0.012	-
8:41	0.020	0.018	8:41	0.011	0.012	-
8:42	0.019	0.018	8:42	0.011	0.012	-
8:43	0.018	0.018	8:43	0.011	0.012	-
8:44	0.017	0.018	8:44	0.012	0.012	-
8:45	0.017	0.018	8:45	0.012	0.012	-
8:46	0.017	0.018	8:46	0.013	0.012	-
8:47	0.019	0.018	8:47	0.018	0.012	-
8:48	0.017	0.018	8:48	0.013	0.012	-
8:49	0.019	0.018	8:49	0.014	0.012	-
8:50	0.017	0.018	8:50	0.014	0.013	-
8:51	0.017	0.018	8:51	0.012	0.013	-
8:52	0.017	0.018	8:52	0.011	0.013	-
8:53	0.016	0.018	8:53	0.012	0.013	-
8:54	0.016	0.018	8:54	0.012	0.013	-
8:55	0.016	0.017	8:55	0.013	0.013	-
8:56	0.016	0.017	8:56	0.013	0.013	-
8:57	0.018	0.017	8:57	0.012	0.013	-
8:58	0.017	0.017	8:58	0.012	0.013	-
8:59	0.017	0.017	8:59	0.011	0.013	-
9:00	0.016	0.017	9:00	0.011	0.013	-
9:01	0.016	0.017	9:01	0.011	0.013	-
9:02	0.016	0.017	9:02	0.011	0.012	-
9:03	0.015	0.017	9:03	0.011	0.012	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
9:04	0.016	0.016	9:04	0.012	0.012	-
9:05	0.016	0.016	9:05	0.015	0.012	-
9:06	0.017	0.016	9:06	0.013	0.012	-
9:07	0.017	0.016	9:07	0.013	0.012	-
9:08	0.019	0.017	9:08	0.012	0.012	-
9:09	0.017	0.017	9:09	0.012	0.012	-
9:10	0.018	0.017	9:10	0.011	0.012	-
9:11	0.016	0.017	9:11	0.012	0.012	-
9:12	0.017	0.017	9:12	0.012	0.012	-
9:13	0.016	0.017	9:13	0.012	0.012	-
9:14	0.019	0.017	9:14	0.012	0.012	-
9:15	0.017	0.017	9:15	0.012	0.012	-
9:16	0.017	0.017	9:16	0.013	0.012	-
9:17	0.017	0.017	9:17	0.013	0.012	-
9:18	0.017	0.017	9:18	0.013	0.012	-
9:19	0.018	0.017	9:19	0.013	0.013	-
9:20	0.018	0.017	9:20	0.013	0.012	-
9:21	0.018	0.017	9:21	0.013	0.012	-
9:22	0.018	0.017	9:22	0.016	0.013	-
9:23	0.017	0.017	9:23	0.017	0.013	-
9:24	0.018	0.017	9:24	0.016	0.013	-
9:25	0.019	0.017	9:25	0.015	0.013	-
9:26	0.019	0.018	9:26	0.014	0.014	-
9:27	0.020	0.018	9:27	0.014	0.014	-
9:28	0.019	0.018	9:28	0.013	0.014	-
9:29	0.018	0.018	9:29	0.013	0.014	-
9:30	0.018	0.018	9:30	0.013	0.014	-
9:31	0.017	0.018	9:31	0.013	0.014	-
9:32	0.018	0.018	9:32	0.013	0.014	-
9:33	0.017	0.018	9:33	0.014	0.014	-
9:34	0.020	0.018	9:34	0.014	0.014	-
9:35	0.019	0.018	9:35	0.014	0.014	-
9:36	0.055	0.021	9:36	0.014	0.014	-
9:37	0.027	0.021	9:37	0.014	0.014	-
9:38	0.020	0.022	9:38	0.014	0.014	-
9:39	0.019	0.022	9:39	0.014	0.014	-
9:40	0.019	0.022	9:40	0.013	0.014	-
9:41	0.018	0.022	9:41	0.013	0.014	-
9:42	0.018	0.021	9:42	0.014	0.014	-
9:43	0.018	0.021	9:43	0.017	0.014	-
9:44	0.019	0.021	9:44	0.019	0.014	-
9:45	0.019	0.022	9:45	0.018	0.015	-
9:46	0.019	0.022	9:46	0.015	0.015	-
9:47	0.018	0.022	9:47	0.015	0.015	-
9:48	0.019	0.022	9:48	0.016	0.015	-
9:49	0.019	0.022	9:49	0.015	0.015	-
9:50	0.019	0.022	9:50	0.015	0.015	-
9:51	0.019	0.019	9:51	0.015	0.015	-
9:52	0.020	0.019	9:52	0.014	0.015	-
9:53	0.018	0.019	9:53	0.015	0.015	-
9:54	0.019	0.019	9:54	0.015	0.015	-
9:55	0.019	0.019	9:55	0.015	0.015	-
9:56	0.020	0.019	9:56	0.015	0.016	-
9:57	0.021	0.019	9:57	0.017	0.016	-
9:58	0.020	0.019	9:58	0.016	0.016	-
9:59	0.020	0.019	9:59	0.018	0.016	-
10:00	0.022	0.019	10:00	0.016	0.015	-
10:01	0.022	0.020	10:01	0.016	0.016	-
10:02	0.020	0.020	10:02	0.015	0.016	-
10:03	0.022	0.020	10:03	0.015	0.015	-
10:04	0.022	0.020	10:04	0.017	0.016	-
10:05	0.024	0.021	10:05	0.019	0.016	-
10:06	0.021	0.021	10:06	0.018	0.016	-
10:07	0.021	0.021	10:07	0.017	0.016	-
10:08	0.021	0.021	10:08	0.016	0.016	-
10:09	0.021	0.021	10:09	0.016	0.016	-
10:10	0.020	0.021	10:10	0.016	0.016	-
10:11	0.021	0.021	10:11	0.016	0.017	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
10:12	0.022	0.021	10:12	0.017	0.017	-
10:13	0.023	0.021	10:13	0.018	0.017	-
10:14	0.021	0.022	10:14	0.018	0.017	-
10:15	0.021	0.021	10:15	0.022	0.017	-
10:16	0.021	0.021	10:16	0.017	0.017	-
10:17	0.021	0.021	10:17	0.019	0.017	-
10:18	0.021	0.021	10:18	0.018	0.018	-
10:19	0.022	0.021	10:19	0.017	0.018	-
10:20	0.023	0.021	10:20	0.018	0.018	-
10:21	0.022	0.021	10:21	0.017	0.017	-
10:22	0.022	0.021	10:22	0.017	0.017	-
10:23	0.021	0.021	10:23	0.017	0.018	-
10:24	0.021	0.021	10:24	0.017	0.018	-
10:25	0.021	0.022	10:25	0.017	0.018	-
10:26	0.021	0.022	10:26	0.017	0.018	-
10:27	0.021	0.021	10:27	0.019	0.018	-
10:28	0.022	0.021	10:28	0.017	0.018	-
10:29	0.021	0.021	10:29	0.017	0.018	-
10:30	0.022	0.021	10:30	0.017	0.017	-
10:31	0.023	0.022	10:31	0.017	0.017	-
10:32	0.024	0.022	10:32	0.017	0.017	-
10:33	0.022	0.022	10:33	0.017	0.017	-
10:34	0.021	0.022	10:34	0.017	0.017	-
10:35	0.021	0.022	10:35	0.017	0.017	-
10:36	0.023	0.022	10:36	0.017	0.017	-
10:37	0.022	0.022	10:37	0.018	0.017	-
10:38	0.021	0.022	10:38	0.019	0.017	-
10:39	0.023	0.022	10:39	0.019	0.017	-
10:40	0.024	0.022	10:40	0.020	0.018	-
10:41	0.021	0.022	10:41	0.019	0.018	-
10:42	0.026	0.022	10:42	0.022	0.018	-
10:43	0.024	0.023	10:43	0.024	0.018	-
10:44	0.023	0.023	10:44	0.021	0.019	-
10:45	0.025	0.023	10:45	0.021	0.019	-
10:46	0.022	0.023	10:46	0.023	0.019	-
10:47	0.020	0.023	10:47	0.018	0.019	-
10:48	0.021	0.022	10:48	0.016	0.019	-
10:49	0.020	0.022	10:49	0.016	0.019	-
10:50	0.019	0.022	10:50	0.016	0.019	-
10:51	0.019	0.022	10:51	0.016	0.019	-
10:52	0.019	0.022	10:52	0.016	0.019	-
10:53	0.020	0.022	10:53	0.017	0.019	-
10:54	0.019	0.021	10:54	0.019	0.019	-
10:55	0.019	0.021	10:55	0.016	0.019	-
10:56	0.019	0.021	10:56	0.018	0.019	-
10:57	0.020	0.021	10:57	0.018	0.018	-
10:58	0.019	0.020	10:58	0.016	0.018	-
10:59	0.018	0.020	10:59	0.017	0.018	-
11:00	0.019	0.020	11:00	0.019	0.017	-
11:01	0.020	0.019	11:01	0.019	0.017	-
11:02	0.020	0.019	11:02	0.019	0.017	-
11:03	0.019	0.019	11:03	0.019	0.017	-
11:04	0.018	0.019	11:04	0.018	0.018	-
11:05	0.019	0.019	11:05	0.017	0.018	-
11:06	0.019	0.019	11:06	0.049	0.020	-
11:07	0.023	0.019	11:07	0.019	0.020	-
11:08	0.021	0.019	11:08	0.018	0.020	-
11:09	0.020	0.020	11:09	0.019	0.020	-
11:10	0.021	0.020	11:10	0.017	0.020	-
11:11	0.020	0.020	11:11	0.017	0.020	-
11:12	0.021	0.020	11:12	0.018	0.020	-
11:13	0.020	0.020	11:13	0.017	0.020	-
11:14	0.021	0.020	11:14	0.017	0.020	-
11:15	0.025	0.020	11:15	0.018	0.020	-
11:16	0.025	0.021	11:16	0.019	0.020	-
11:17	0.022	0.021	11:17	0.018	0.020	-
11:18	0.020	0.021	11:18	0.017	0.020	-
11:19	0.020	0.021	11:19	0.018	0.020	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
11:20	0.021	0.021	11:20	0.019	0.020	-
11:21	0.025	0.022	11:21	0.019	0.018	-
11:22	0.020	0.021	11:22	0.020	0.018	-
11:23	0.020	0.021	11:23	0.020	0.018	-
11:24	0.022	0.022	11:24	0.019	0.018	-
11:25	0.020	0.021	11:25	0.017	0.018	-
11:26	0.023	0.022	11:26	0.017	0.018	-
11:27	0.022	0.022	11:27	0.018	0.018	-
11:28	0.022	0.022	11:28	0.017	0.018	-
11:29	0.022	0.022	11:29	0.018	0.018	-
11:30	0.020	0.022	11:30	0.016	0.018	-
11:31	0.021	0.021	11:31	0.018	0.018	-
11:32	0.020	0.021	11:32	0.017	0.018	-
11:33	0.022	0.021	11:33	0.017	0.018	-
11:34	0.021	0.021	11:34	0.016	0.018	-
11:35	0.021	0.021	11:35	0.015	0.018	-
11:36	0.022	0.021	11:36	0.016	0.017	-
11:37	0.019	0.021	11:37	0.019	0.017	-
11:38	0.023	0.021	11:38	0.019	0.017	-
11:39	0.018	0.021	11:39	0.019	0.017	-
11:40	0.018	0.021	11:40	0.017	0.017	-
11:41	0.019	0.021	11:41	0.035	0.018	-
11:42	0.018	0.020	11:42	0.024	0.019	-
11:43	0.018	0.020	11:43	0.020	0.019	-
11:44	0.016	0.020	11:44	0.021	0.019	-
11:45	0.018	0.020	11:45	0.022	0.020	-
11:46	0.019	0.019	11:46	0.023	0.020	-
11:47	0.017	0.019	11:47	0.019	0.020	-
11:48	0.020	0.019	11:48	0.016	0.020	-
11:49	0.022	0.019	11:49	0.015	0.020	-
11:50	0.020	0.019	11:50	0.014	0.020	-
11:51	0.019	0.019	11:51	0.018	0.020	-
11:52	0.021	0.019	11:52	0.015	0.020	-
11:53	0.018	0.019	11:53	0.015	0.020	-
11:54	0.017	0.019	11:54	0.020	0.020	-
11:55	0.018	0.019	11:55	0.016	0.020	-
11:56	0.018	0.019	11:56	0.017	0.018	-
11:57	0.018	0.019	11:57	0.014	0.018	-
11:58	0.018	0.019	11:58	0.013	0.017	-
11:59	0.018	0.019	11:59	0.014	0.017	-
12:00	0.017	0.019	12:00	0.015	0.016	-
12:01	0.016	0.018	12:01	0.014	0.016	-
12:02	0.017	0.018	12:02	0.013	0.015	-
12:03	0.018	0.018	12:03	0.013	0.015	-
12:04	0.017	0.018	12:04	0.013	0.015	-
12:05	0.015	0.018	12:05	0.016	0.015	-
12:06	0.016	0.017	12:06	0.014	0.015	-
12:07	0.015	0.017	12:07	0.013	0.015	-
12:08	0.015	0.017	12:08	0.015	0.015	-
12:09	0.017	0.017	12:09	0.014	0.014	-
12:10	0.017	0.017	12:10	0.014	0.014	-
12:11	0.016	0.017	12:11	0.013	0.014	-
12:12	0.016	0.017	12:12	0.014	0.014	-
12:13	0.016	0.016	12:13	0.013	0.014	-
12:14	0.016	0.016	12:14	0.014	0.014	-
12:15	0.016	0.016	12:15	0.014	0.014	-
12:16	0.018	0.016	12:16	0.016	0.014	-
12:17	0.019	0.016	12:17	0.015	0.014	-
12:18	0.017	0.016	12:18	0.014	0.014	-
12:19	0.017	0.016	12:19	0.013	0.014	-
12:20	0.014	0.016	12:20	0.011	0.014	-
12:21	0.014	0.016	12:21	0.012	0.014	-
12:22	0.015	0.016	12:22	0.013	0.014	-
12:23	0.014	0.016	12:23	0.013	0.014	-
12:24	0.014	0.016	12:24	0.013	0.013	-
12:25	0.013	0.016	12:25	0.011	0.013	-
12:26	0.013	0.015	12:26	0.011	0.013	-
12:27	0.014	0.015	12:27	0.012	0.013	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
12:28	0.014	0.015	12:28	0.012	0.013	-
12:29	0.014	0.015	12:29	0.012	0.013	-
12:30	0.014	0.015	12:30	0.011	0.013	-
12:31	0.014	0.015	12:31	0.013	0.012	-
12:32	0.017	0.015	12:32	0.013	0.012	-
12:33	0.014	0.014	12:33	0.012	0.012	-
12:34	0.014	0.014	12:34	0.012	0.012	-
12:35	0.014	0.014	12:35	0.012	0.012	-
12:36	0.014	0.014	12:36	0.012	0.012	-
12:37	0.013	0.014	12:37	0.011	0.012	-
12:38	0.015	0.014	12:38	0.011	0.012	-
12:39	0.013	0.014	12:39	0.011	0.012	-
12:40	0.014	0.014	12:40	0.014	0.012	-
12:41	0.014	0.014	12:41	0.015	0.012	-
12:42	0.015	0.014	12:42	0.014	0.012	-
12:43	0.015	0.014	12:43	0.013	0.012	-
12:44	0.015	0.014	12:44	0.013	0.012	-
12:45	0.016	0.014	12:45	0.013	0.013	-
12:46	0.015	0.015	12:46	0.013	0.013	-
12:47	0.015	0.014	12:47	0.013	0.013	-
12:48	0.015	0.014	12:48	0.013	0.013	-
12:49	0.015	0.015	12:49	0.014	0.013	-
12:50	0.015	0.015	12:50	0.015	0.013	-
12:51	0.016	0.015	12:51	0.015	0.013	-
12:52	0.016	0.015	12:52	0.016	0.014	-
12:53	0.025	0.016	12:53	0.015	0.014	-
12:54	0.017	0.016	12:54	0.014	0.014	-
12:55	0.015	0.016	12:55	0.014	0.014	-
12:56	0.015	0.016	12:56	0.013	0.014	-
12:57	0.015	0.016	12:57	0.015	0.014	-
12:58	0.016	0.016	12:58	0.013	0.014	-
12:59	0.016	0.016	12:59	0.012	0.014	-
13:00	0.014	0.016	13:00	0.011	0.014	-
13:01	0.014	0.016	13:01	0.011	0.014	-
13:02	0.014	0.016	13:02	0.011	0.013	-
13:03	0.013	0.016	13:03	0.011	0.013	-
13:04	0.014	0.016	13:04	0.011	0.013	-
13:05	0.014	0.016	13:05	0.012	0.013	-
13:06	0.013	0.015	13:06	0.011	0.013	-
13:07	0.013	0.015	13:07	0.011	0.012	-
13:08	0.014	0.014	13:08	0.012	0.012	-
13:09	0.014	0.014	13:09	0.012	0.012	-
13:10	0.013	0.014	13:10	0.011	0.012	-
13:11	0.014	0.014	13:11	0.011	0.012	-
13:12	0.013	0.014	13:12	0.011	0.011	-
13:13	0.013	0.014	13:13	0.012	0.011	-
13:14	0.013	0.014	13:14	0.012	0.011	-
13:15	0.014	0.014	13:15	0.012	0.011	-
13:16	0.014	0.014	13:16	0.011	0.011	-
13:17	0.014	0.014	13:17	0.012	0.011	-
13:18	0.014	0.014	13:18	0.012	0.012	-
13:19	0.014	0.014	13:19	0.012	0.012	-
13:20	0.014	0.014	13:20	0.012	0.012	-
13:21	0.014	0.014	13:21	0.011	0.012	-
13:22	0.013	0.014	13:22	0.011	0.012	-
13:23	0.013	0.014	13:23	0.011	0.012	-
13:24	0.014	0.014	13:24	0.012	0.012	-
13:25	0.014	0.014	13:25	0.013	0.012	-
13:26	0.014	0.014	13:26	0.013	0.012	-
13:27	0.014	0.014	13:27	0.013	0.012	-
13:28	0.014	0.014	13:28	0.013	0.012	-
13:29	0.015	0.014	13:29	0.013	0.012	-
13:30	0.014	0.014	13:30	0.013	0.012	-
13:31	0.014	0.014	13:31	0.013	0.012	-
13:32	0.017	0.014	13:32	0.013	0.012	-
13:33	0.017	0.014	13:33	0.014	0.012	-
13:34	0.016	0.014	13:34	0.014	0.013	-
13:35	0.014	0.014	13:35	0.012	0.013	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
13:36	0.014	0.014	13:36	0.012	0.013	-
13:37	0.014	0.015	13:37	0.012	0.013	-
13:38	0.014	0.015	13:38	0.011	0.013	-
13:39	0.018	0.015	13:39	0.012	0.013	-
13:40	0.013	0.015	13:40	0.011	0.013	-
13:41	0.012	0.015	13:41	0.011	0.012	-
13:42	0.013	0.015	13:42	0.023	0.013	-
13:43	0.014	0.015	13:43	0.011	0.013	-
13:44	0.013	0.014	13:44	0.012	0.013	-
13:45	0.013	0.014	13:45	0.013	0.013	-
13:46	0.014	0.014	13:46	0.012	0.013	-
13:47	0.013	0.014	13:47	0.014	0.013	-
13:48	0.013	0.014	13:48	0.014	0.013	-
13:49	0.014	0.014	13:49	0.013	0.013	-
13:50	0.013	0.014	13:50	0.012	0.013	-
13:51	0.012	0.014	13:51	0.014	0.013	-
13:52	0.013	0.013	13:52	0.011	0.013	-
13:53	0.013	0.013	13:53	0.011	0.013	-
13:54	0.013	0.013	13:54	0.012	0.013	-
13:55	0.013	0.013	13:55	0.012	0.013	-
13:56	0.014	0.013	13:56	0.013	0.013	-
13:57	0.013	0.013	13:57	0.013	0.012	-
13:58	0.014	0.013	13:58	0.012	0.013	-
13:59	0.015	0.013	13:59	0.012	0.013	-
14:00	0.017	0.014	14:00	0.013	0.013	-
14:01	0.014	0.014	14:01	0.011	0.012	-
14:02	0.013	0.014	14:02	0.011	0.012	-
14:03	0.013	0.014	14:03	0.011	0.012	-
14:04	0.013	0.014	14:04	0.011	0.012	-
14:05	0.012	0.013	14:05	0.011	0.012	-
14:06	0.013	0.014	14:06	0.012	0.012	-
14:07	0.013	0.014	14:07	0.013	0.012	-
14:08	0.013	0.014	14:08	0.012	0.012	-
14:09	0.013	0.014	14:09	0.012	0.012	-
14:10	0.012	0.013	14:10	0.011	0.012	-
14:11	0.012	0.013	14:11	0.010	0.012	-
14:12	0.011	0.013	14:12	0.010	0.011	-
14:13	0.011	0.013	14:13	0.011	0.011	-
14:14	0.011	0.013	14:14	0.009	0.011	-
14:15	0.011	0.012	14:15	0.010	0.011	-
14:16	0.011	0.012	14:16	0.010	0.011	-
14:17	0.011	0.012	14:17	0.010	0.011	-
14:18	0.012	0.012	14:18	0.010	0.011	-
14:19	0.012	0.012	14:19	0.010	0.011	-
14:20	0.012	0.012	14:20	0.011	0.011	-
14:21	0.011	0.012	14:21	0.016	0.011	-
14:22	0.012	0.012	14:22	0.011	0.011	-
14:23	0.012	0.012	14:23	0.010	0.011	-
14:24	0.010	0.011	14:24	0.010	0.011	-
14:25	0.011	0.011	14:25	0.010	0.011	-
14:26	0.011	0.011	14:26	0.009	0.010	-
14:27	0.011	0.011	14:27	0.009	0.010	-
14:28	0.010	0.011	14:28	0.009	0.010	-
14:29	0.010	0.011	14:29	0.009	0.010	-
14:30	0.010	0.011	14:30	0.009	0.010	-
14:31	0.010	0.011	14:31	0.008	0.010	-
14:32	0.011	0.011	14:32	0.009	0.010	-
14:33	0.010	0.011	14:33	0.009	0.010	-
14:34	0.010	0.011	14:34	0.009	0.010	-
14:35	0.010	0.011	14:35	0.008	0.010	-
14:36	0.010	0.011	14:36	0.008	0.009	-
14:37	0.010	0.010	14:37	0.010	0.009	-
14:38	0.010	0.010	14:38	0.010	0.009	-
14:39	0.010	0.010	14:39	0.010	0.009	-
14:40	0.010	0.010	14:40	0.009	0.009	-
14:41	0.010	0.010	14:41	0.010	0.009	-
14:42	0.009	0.010	14:42	0.010	0.009	-
14:43	0.010	0.010	14:43	0.009	0.009	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
14:44	0.009	0.010	14:44	0.008	0.009	-
14:45	0.009	0.010	14:45	0.009	0.009	-
14:46	0.010	0.010	14:46	0.008	0.009	-
14:47	0.010	0.010	14:47	0.008	0.009	-
14:48	0.011	0.010	14:48	0.008	0.009	-
14:49	0.011	0.010	14:49	0.006	0.009	-
14:50	0.009	0.010	14:50	0.009	0.009	-
14:51	0.009	0.010	14:51	0.009	0.009	-
14:52	0.009	0.010	14:52	0.008	0.009	-
14:53	0.009	0.010	14:53	0.007	0.009	-
14:54	0.009	0.010	14:54	0.007	0.008	-
14:55	0.009	0.010	14:55	0.007	0.008	-
14:56	0.009	0.009	14:56	0.007	0.008	-
14:57	0.010	0.010	14:57	0.007	0.008	-
14:58	0.011	0.010	14:58	0.007	0.008	-
14:59	0.011	0.010	14:59	0.008	0.008	-
15:00	0.010	0.010	15:00	0.008	0.008	-
15:01	0.010	0.010	15:01	0.008	0.008	-
15:02	0.0	0.010	15:02	0.008	0.008	-
15:03	0.0	0.010	15:03	0.007	0.008	-
15:04	0.0	0.009	15:04	0.010	0.008	-
15:05	0.0	0.010	15:05	0.008	0.008	-
15:06	0.0	0.010	15:06	0.009	0.008	-
15:07	0.0	0.010	15:07	0.010	0.008	-
15:08	0.0	0.010	15:08	0.015	0.008	-
15:09	0.0	0.010	15:09	0.011	0.009	-
15:10	0.0	0.010	15:10	0.014	0.009	-
15:11	0.0	0.010	15:11	0.01	0.009	-
15:12	0.0	0.010	15:12	0.009	0.009	-
15:13	0.0	0.010	15:13	0.01	0.010	-
15:14	0.0	0.010	15:14	0.009	0.010	-
15:15	0.0	0.010	15:15	0.009	0.010	-
15:16	0.0	0.010	15:16	0.009	0.010	-
15:17	0.0	0.010	15:17	0.009	0.010	-
15:18	0.0	0.010	15:18	0.009	0.010	-
15:19	0.0	0.011	15:19	0.008	0.010	-
15:20	0.0	0.011	15:20	0.009	0.010	-
15:21	0.0	0.011	15:21	0.009	0.010	-
15:22	0.0	0.011	15:22	0.008	0.010	-
15:23	0.0	0.011	15:23	0.007	0.009	-
15:24	0.01	0.011	15:24	0.008	0.009	-
15:25	0.01	0.011	15:25	0.01	0.009	-
15:26	0.011	0.011	15:26	0.009	0.009	-
15:27	0.012	0.011	15:27	0.009	0.009	-
15:28	0.012	0.011	15:28	0.01	0.009	-
15:29	0.012	0.011	15:29	0.011	0.009	-
15:30	0.012	0.011	15:30	0.01	0.009	-
15:31	0.012	0.011	15:31	0.007	0.009	-
15:32	0.011	0.011	15:32	0.007	0.009	-
15:33	0.009	0.011	15:33	0.005	0.008	-
15:34	0.009	0.011	15:34	0.006	0.008	-
15:35	0.009	0.011	15:35	0.005	0.008	-
15:36	0.009	0.011	15:36	0.006	0.008	-
15:37	0.009	0.010	15:37	0.006	0.008	-
15:38	0.009	0.010	15:38	0.007	0.008	-
15:39	0.009	0.010	15:39	0.007	0.008	-
15:40	0.009	0.010	15:40	0.006	0.007	-
15:41	0.009	0.010	15:41	0.005	0.007	-
15:42	0.008	0.010	15:42	0.005	0.007	-
15:43	0.008	0.010	15:43	0.005	0.007	-
15:44	0.008	0.009	15:44	0.005	0.006	-
15:45	0.009	0.009	15:45	0.005	0.006	-
15:46	0.008	0.009	15:46	0.005	0.006	-
15:47	0.008	0.009	15:47	0.005	0.006	-
15:48	0.007	0.009	15:48	0.005	0.006	-
15:49	0.008	0.008	15:49	0.005	0.005	-
15:50	0.008	0.008	15:50	0.005	0.005	-
15:51	0.008	0.008	15:51	0.005	0.005	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
15:52	0.008	0.008	15:52	0.004	0.005	-
15:53	0.008	0.008	15:53	0.005	0.005	-
15:54	0.009	0.008	15:54	0.005	0.005	-
15:55	0.009	0.008	15:55	0.005	0.005	-
15:56	0.008	0.008	15:56	0.006	0.005	-
15:57	0.009	0.008	15:57	0.005	0.005	-
15:58	0.009	0.008	15:58	0.006	0.005	-
15:59	0.009	0.008	15:59	0.006	0.005	-
16:00	0.009	0.008	16:00	0.006	0.005	-
16:01	0.008	0.008	16:01	0.006	0.005	-
16:02	0.009	0.008	16:02	0.006	0.005	-
16:03	0.009	0.009	16:03	0.005	0.005	-
16:04	0.009	0.009	16:04	0.006	0.005	-
16:05	0.009	0.009	16:05	0.006	0.005	-
16:06	0.009	0.009	16:06	0.005	0.005	-
16:07	0.009	0.009	16:07	0.005	0.006	-
16:08	0.009	0.009	16:08	0.005	0.006	-
16:09	0.009	0.009	16:09	0.005	0.006	-
16:10	0.009	0.009	16:10	0.005	0.006	-
16:11	0.009	0.009	16:11	0.005	0.005	-
16:12	0.009	0.009	16:12	0.006	0.006	-
16:13	0.009	0.009	16:13	0.005	0.005	-
16:14	0.008	0.009	16:14	0.005	0.005	-
16:15	0.008	0.009	16:15	0.006	0.005	-
16:16	0.009	0.009	16:16	0.005	0.005	-
16:17	0.009	0.009	16:17	0.004	0.005	-

December 14, 2021						
					Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =	0
					Number of Comparable Data Points =	555
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
6:57	0.0		6:57	0.0		
6:58	0.0		6:58	0.0		
6:59	0.0		6:59	0.0		
7:00	0.0		7:00	0.0		
7:01	0.0		7:01	0.0		
7:02	0.0		7:02	0.0		
7:03	0.0		7:03	0.0		
7:04	0.0		7:04	0.0		
7:05	0.0		7:05	0.0		
7:06	0.0		7:06	0.0		
7:07	0.0		7:07	0.0		
7:08	0.0		7:08	0.0		
7:09	0.0		7:09	0.0		
7:10	0.0		7:10	0.0		
7:11	0.0	0.0	7:11	0.0		
7:12	0.0	0.0	7:12	0.0		
7:13	0.0	0.0	7:13	0.0		
7:14	0.0	0.0	7:14	0.0		
7:15	0.0	0.0	7:15	0.0	0.0	-
7:16	0.0	0.0	7:16	0.0	0.0	-
7:17	0.0	0.0	7:17	0.0	0.0	-
7:18	0.0	0.0	7:18	0.0	0.0	-
7:19	0.0	0.0	7:19	0.0	0.0	-
7:20	0.0	0.0	7:20	0.0	0.0	-
7:21	0.0	0.0	7:21	0.0	0.0	-
7:22	0.0	0.0	7:22	0.0	0.0	-
7:23	0.0	0.0	7:23	0.0	0.0	-
7:24	0.0	0.0	7:24	0.0	0.0	-
7:25	0.0	0.0	7:25	0.0	0.0	-
7:26	0.0	0.0	7:26	0.0	0.0	-
7:27	0.0	0.0	7:27	0.0	0.0	-
7:28	0.0	0.0	7:28	0.0	0.0	-
7:29	0.0	0.0	7:29	0.0	0.0	-
7:30	0.0	0.0	7:30	0.0	0.0	-
7:31	0.0	0.0	7:31	0.0	0.0	-
7:32	0.0	0.0	7:32	0.0	0.0	-
7:33	0.0	0.0	7:33	0.0	0.0	-
7:34	0.0	0.0	7:34	0.0	0.0	-
7:35	0.0	0.0	7:35	0.0	0.0	-
7:36	0.0	0.0	7:36	0.0	0.0	-
7:37	0.0	0.0	7:37	0.0	0.0	-
7:38	0.0	0.0	7:38	0.0	0.0	-
7:39	0.0	0.0	7:39	0.0	0.0	-
7:40	0.0	0.0	7:40	0.0	0.0	-
7:41	0.0	0.0	7:41	0.0	0.0	-
7:42	0.0	0.0	7:42	0.0	0.0	-
7:43	0.0	0.0	7:43	0.0	0.0	-
7:44	0.0	0.0	7:44	0.0	0.0	-
7:45	0.0	0.0	7:45	0.0	0.0	-
7:46	0.0	0.0	7:46	0.0	0.0	-
7:47	0.0	0.0	7:47	0.0	0.0	-
7:48	0.0	0.0	7:48	0.0	0.0	-
7:49	0.0	0.0	7:49	0.0	0.0	-
7:50	0.0	0.0	7:50	0.0	0.0	-
7:51	0.0	0.0	7:51	0.0	0.0	-
7:52	0.0	0.0	7:52	0.0	0.0	-
7:53	0.0	0.0	7:53	0.0	0.0	-
7:54	0.0	0.0	7:54	0.0	0.0	-
7:55	0.0	0.0	7:55	0.0	0.0	-
7:56	0.0	0.0	7:56	0.0	0.0	-
7:57	0.0	0.0	7:57	0.0	0.0	-
7:58	0.0	0.0	7:58	0.0	0.0	-
7:59	0.0	0.0	7:59	0.0	0.0	-
8:00	0.0	0.0	8:00	0.0	0.0	-
8:01	0.0	0.0	8:01	0.0	0.0	-
8:02	0.0	0.0	8:02	0.0	0.0	-
8:03	0.0	0.0	8:03	0.0	0.0	-
8:04	0.0	0.0	8:04	0.0	0.0	-
8:05	0.0	0.0	8:05	0.0	0.0	-
8:06	0.0	0.0	8:06	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:07	0.0	0.0	8:07	0.0	0.0	-
8:08	0.0	0.0	8:08	0.0	0.0	-
8:09	0.0	0.0	8:09	0.0	0.0	-
8:12	0.0	0.0	8:12	0.0	0.0	-
8:13	0.0	0.0	8:13	0.0	0.0	-
8:14	0.0	0.0	8:14	0.0	0.0	-
8:15	0.0	0.0	8:15	0.0	0.0	-
8:16	0.0	0.0	8:16	0.0	0.0	-
8:17	0.0	0.0	8:17	0.0	0.0	-
8:18	0.0	0.0	8:18	0.0	0.0	-
8:19	0.0	0.0	8:19	0.0	0.0	-
8:20	0.0	0.0	8:20	0.0	0.0	-
8:21	0.0	0.0	8:21	0.0	0.0	-
8:22	0.0	0.0	8:22	0.0	0.0	-
8:23	0.0	0.0	8:23	0.0	0.0	-
8:24	0.0	0.0	8:24	0.0	0.0	-
8:25	0.0	0.0	8:25	0.0	0.0	-
8:26	0.0	0.0	8:26	0.0	0.0	-
8:27	0.0	0.0	8:27	0.0	0.0	-
8:28	0.0	0.0	8:28	0.0	0.0	-
8:29	0.0	0.0	8:29	0.0	0.0	-
8:30	0.0	0.0	8:30	0.0	0.0	-
8:31	0.0	0.0	8:31	0.0	0.0	-
8:32	0.0	0.0	8:32	0.0	0.0	-
8:33	0.0	0.0	8:33	0.0	0.0	-
8:34	0.0	0.0	8:34	0.0	0.0	-
8:35	0.0	0.0	8:35	0.0	0.0	-
8:36	0.0	0.0	8:36	0.0	0.0	-
8:37	0.0	0.0	8:37	0.0	0.0	-
8:38	0.0	0.0	8:38	0.0	0.0	-
8:39	0.0	0.0	8:39	0.0	0.0	-
8:40	0.0	0.0	8:40	0.0	0.0	-
8:41	0.0	0.0	8:41	0.0	0.0	-
8:42	0.0	0.0	8:42	0.1	0.0	-
8:43	0.0	0.0	8:43	0.0	0.0	-
8:44	0.0	0.0	8:44	0.1	0.0	-
8:45	0.0	0.0	8:45	0.1	0.0	-
8:46	0.0	0.0	8:46	0.1	0.0	-
8:47	0.0	0.0	8:47	0.1	0.0	-
8:48	0.0	0.0	8:48	0.1	0.0	-
8:49	0.0	0.0	8:49	0.1	0.0	-
8:50	0.0	0.0	8:50	0.1	0.1	-
8:51	0.0	0.0	8:51	0.1	0.1	-
8:52	0.0	0.0	8:52	0.1	0.1	-
8:53	0.0	0.0	8:53	0.1	0.1	-
8:54	0.0	0.0	8:54	0.1	0.1	-
8:55	0.0	0.0	8:55	0.1	0.1	-
8:56	0.0	0.0	8:56	0.1	0.1	-
8:57	0.0	0.0	8:57	0.1	0.1	-
8:58	0.0	0.0	8:58	0.1	0.1	-
8:59	0.0	0.0	8:59	0.1	0.1	-
9:00	0.0	0.0	9:00	0.1	0.1	-
9:01	0.0	0.0	9:01	0.1	0.1	-
9:02	0.0	0.0	9:02	0.1	0.1	-
9:03	0.0	0.0	9:03	0.1	0.1	-
9:04	0.0	0.0	9:04	0.1	0.1	-
9:05	0.0	0.0	9:05	0.1	0.1	-
9:06	0.0	0.0	9:06	0.1	0.1	-
9:07	0.0	0.0	9:07	0.1	0.1	-
9:08	0.0	0.0	9:08	0.1	0.1	-
9:09	0.0	0.0	9:09	0.1	0.1	-
9:10	0.0	0.0	9:10	0.1	0.1	-
9:11	0.0	0.0	9:11	0.1	0.1	-
9:12	0.0	0.0	9:12	0.1	0.1	-
9:13	0.0	0.0	9:13	0.1	0.1	-
9:14	0.0	0.0	9:14	0.1	0.1	-
9:15	0.0	0.0	9:15	0.1	0.1	-
9:16	0.0	0.0	9:16	0.1	0.1	-
9:17	0.0	0.0	9:17	0.1	0.1	-
9:18	0.0	0.0	9:18	0.1	0.1	-
9:19	0.0	0.0	9:19	0.1	0.1	-
9:20	0.0	0.0	9:20	0.1	0.1	-
9:21	0.0	0.0	9:21	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:22	0.0	0.0	9:22	0.1	0.1	-
9:23	0.0	0.0	9:23	0.1	0.1	-
9:24	0.0	0.0	9:24	0.1	0.1	-
9:25	0.0	0.0	9:25	0.1	0.1	-
9:26	0.0	0.0	9:26	0.1	0.1	-
9:27	0.0	0.0	9:27	0.1	0.1	-
9:28	0.0	0.0	9:28	0.1	0.1	-
9:29	0.0	0.0	9:29	0.1	0.1	-
9:30	0.0	0.0	9:30	0.1	0.1	-
9:31	0.0	0.0	9:31	0.1	0.1	-
9:32	0.0	0.0	9:32	0.1	0.1	-
9:33	0.0	0.0	9:33	0.1	0.1	-
9:34	0.0	0.0	9:34	0.1	0.1	-
9:35	0.0	0.0	9:35	0.1	0.1	-
9:36	0.0	0.0	9:36	0.1	0.1	-
9:37	0.0	0.0	9:37	0.1	0.1	-
9:38	0.0	0.0	9:38	0.1	0.1	-
9:39	0.0	0.0	9:39	0.1	0.1	-
9:40	0.0	0.0	9:40	0.1	0.1	-
9:41	0.0	0.0	9:41	0.1	0.1	-
9:42	0.0	0.0	9:42	0.1	0.1	-
9:43	0.0	0.0	9:43	0.1	0.1	-
9:44	0.0	0.0	9:44	0.1	0.1	-
9:45	0.0	0.0	9:45	0.1	0.1	-
9:46	0.0	0.0	9:46	0.1	0.1	-
9:47	0.0	0.0	9:47	0.1	0.1	-
9:48	0.0	0.0	9:48	0.1	0.1	-
9:49	0.0	0.0	9:49	0.1	0.1	-
9:50	0.0	0.0	9:50	0.1	0.1	-
9:51	0.0	0.0	9:51	0.1	0.1	-
9:52	0.0	0.0	9:52	0.1	0.1	-
9:53	0.0	0.0	9:53	0.1	0.1	-
9:54	0.0	0.0	9:54	0.1	0.1	-
9:55	0.0	0.0	9:55	0.1	0.1	-
9:56	0.0	0.0	9:56	0.1	0.1	-
9:57	0.0	0.0	9:57	0.1	0.1	-
9:58	0.0	0.0	9:58	0.1	0.1	-
9:59	0.0	0.0	9:59	0.1	0.1	-
10:00	0.0	0.0	10:00	0.1	0.1	-
10:01	0.0	0.0	10:01	0.1	0.1	-
10:02	0.0	0.0	10:02	0.1	0.1	-
10:03	0.0	0.0	10:03	0.1	0.1	-
10:04	0.0	0.0	10:04	0.1	0.1	-
10:05	0.0	0.0	10:05	0.1	0.1	-
10:06	0.0	0.0	10:06	0.1	0.1	-
10:07	0.0	0.0	10:07	0.1	0.1	-
10:08	0.0	0.0	10:08	0.1	0.1	-
10:09	0.0	0.0	10:09	0.1	0.1	-
10:10	0.0	0.0	10:10	0.1	0.1	-
10:11	0.0	0.0	10:11	0.1	0.1	-
10:12	0.0	0.0	10:12	0.1	0.1	-
10:13	0.0	0.0	10:13	0.1	0.1	-
10:14	0.0	0.0	10:14	0.1	0.1	-
10:15	0.0	0.0	10:15	0.1	0.1	-
10:16	0.0	0.0	10:16	0.1	0.1	-
10:17	0.0	0.0	10:17	0.1	0.1	-
10:18	0.0	0.0	10:18	0.1	0.1	-
10:19	0.0	0.0	10:19	0.1	0.1	-
10:20	0.0	0.0	10:20	0.1	0.1	-
10:21	0.0	0.0	10:21	0.1	0.1	-
10:22	0.0	0.0	10:22	0.1	0.1	-
10:23	0.0	0.0	10:23	0.1	0.1	-
10:24	0.0	0.0	10:24	0.1	0.1	-
10:25	0.0	0.0	10:25	0.1	0.1	-
10:26	0.0	0.0	10:26	0.1	0.1	-
10:27	0.0	0.0	10:27	0.1	0.1	-
10:28	0.0	0.0	10:28	0.1	0.1	-
10:29	0.0	0.0	10:29	0.1	0.1	-
10:30	0.0	0.0	10:30	0.1	0.1	-
10:31	0.0	0.0	10:31	0.1	0.1	-
10:32	0.0	0.0	10:32	0.1	0.1	-
10:33	0.0	0.0	10:33	0.1	0.1	-
10:34	0.0	0.0	10:34	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:35	0.0	0.0	10:35	0.1	0.1	-
10:36	0.0	0.0	10:36	0.1	0.1	-
10:37	0.0	0.0	10:37	0.1	0.1	-
10:38	0.0	0.0	10:38	0.1	0.1	-
10:39	0.0	0.0	10:39	0.1	0.1	-
10:40	0.0	0.0	10:40	0.1	0.1	-
10:41	0.0	0.0	10:41	0.1	0.1	-
10:42	0.0	0.0	10:42	0.1	0.1	-
10:43	0.0	0.0	10:43	0.1	0.1	-
10:44	0.0	0.0	10:44	0.1	0.1	-
10:45	0.0	0.0	10:45	0.1	0.1	-
10:46	0.0	0.0	10:46	0.1	0.1	-
10:47	0.0	0.0	10:47	0.1	0.1	-
10:48	0.0	0.0	10:48	0.1	0.1	-
10:49	0.0	0.0	10:49	0.1	0.1	-
10:50	0.0	0.0	10:50	0.1	0.1	-
10:51	0.0	0.0	10:51	0.1	0.1	-
10:52	0.0	0.0	10:52	0.1	0.1	-
10:53	0.0	0.0	10:53	0.1	0.1	-
10:54	0.0	0.0	10:54	0.1	0.1	-
10:55	0.0	0.0	10:55	0.1	0.1	-
10:56	0.0	0.0	10:56	0.1	0.1	-
10:57	0.0	0.0	10:57	0.1	0.1	-
10:58	0.0	0.0	10:58	0.1	0.1	-
10:59	0.0	0.0	10:59	0.1	0.1	-
11:00	0.0	0.0	11:00	0.1	0.1	-
11:01	0.0	0.0	11:01	0.1	0.1	-
11:02	0.0	0.0	11:02	0.1	0.1	-
11:03	0.0	0.0	11:03	0.1	0.1	-
11:04	0.0	0.0	11:04	0.1	0.1	-
11:05	0.0	0.0	11:05	0.1	0.1	-
11:06	0.0	0.0	11:06	0.1	0.1	-
11:07	0.0	0.0	11:07	0.1	0.1	-
11:08	0.0	0.0	11:08	0.1	0.1	-
11:09	0.0	0.0	11:09	0.1	0.1	-
11:10	0.0	0.0	11:10	0.1	0.1	-
11:11	0.0	0.0	11:11	0.1	0.1	-
11:12	0.0	0.0	11:12	0.1	0.1	-
11:13	0.0	0.0	11:13	0.1	0.1	-
11:14	0.0	0.0	11:14	0.1	0.1	-
11:15	0.0	0.0	11:15	0.1	0.1	-
11:16	0.0	0.0	11:16	0.1	0.1	-
11:17	0.0	0.0	11:17	0.1	0.1	-
11:18	0.0	0.0	11:18	0.1	0.1	-
11:19	0.0	0.0	11:19	0.1	0.1	-
11:20	0.0	0.0	11:20	0.1	0.1	-
11:21	0.0	0.0	11:21	0.1	0.1	-
11:22	0.0	0.0	11:22	0.1	0.1	-
11:23	0.0	0.0	11:23	0.1	0.1	-
11:24	0.0	0.0	11:24	0.1	0.1	-
11:25	0.0	0.0	11:25	0.1	0.1	-
11:26	0.0	0.0	11:26	0.1	0.1	-
11:27	0.0	0.0	11:27	0.1	0.1	-
11:28	0.0	0.0	11:28	0.1	0.1	-
11:29	0.0	0.0	11:29	0.1	0.1	-
11:30	0.0	0.0	11:30	0.1	0.1	-
11:31	0.0	0.0	11:31	0.1	0.1	-
11:32	0.0	0.0	11:32	0.1	0.1	-
11:33	0.0	0.0	11:33	0.1	0.1	-
11:34	0.0	0.0	11:34	0.1	0.1	-
11:35	0.0	0.0	11:35	0.1	0.1	-
11:36	0.0	0.0	11:36	0.1	0.1	-
11:37	0.0	0.0	11:37	0.1	0.1	-
11:38	0.0	0.0	11:38	0.1	0.1	-
11:39	0.0	0.0	11:39	0.1	0.1	-
11:40	0.0	0.0	11:40	0.1	0.1	-
11:41	0.0	0.0	11:41	0.1	0.1	-
11:42	0.0	0.0	11:42	0.1	0.1	-
11:43	0.0	0.0	11:43	0.1	0.1	-
11:44	0.0	0.0	11:44	0.1	0.1	-
11:45	0.0	0.0	11:45	0.1	0.1	-
11:46	0.0	0.0	11:46	0.1	0.1	-
11:47	0.0	0.0	11:47	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:48	0.0	0.0	11:48	0.1	0.1	-
11:49	0.0	0.0	11:49	0.1	0.1	-
11:50	0.0	0.0	11:50	0.1	0.1	-
11:51	0.0	0.0	11:51	0.1	0.1	-
11:52	0.0	0.0	11:52	0.1	0.1	-
11:53	0.0	0.0	11:53	0.1	0.1	-
11:54	0.0	0.0	11:54	0.3	0.1	-
11:55	0.0	0.0	11:55	0.1	0.1	-
11:56	0.0	0.0	11:56	0.1	0.1	-
11:57	0.0	0.0	11:57	0.1	0.1	-
11:58	0.0	0.0	11:58	0.1	0.1	-
11:59	0.0	0.0	11:59	0.1	0.1	-
12:00	0.0	0.0	12:00	0.1	0.1	-
12:01	0.0	0.0	12:01	0.1	0.1	-
12:02	0.0	0.0	12:02	0.1	0.1	-
12:03	0.0	0.0	12:03	0.1	0.1	-
12:04	0.0	0.0	12:04	0.1	0.1	-
12:05	0.0	0.0	12:05	0.1	0.1	-
12:06	0.0	0.0	12:06	0.1	0.1	-
12:07	0.0	0.0	12:07	0.1	0.1	-
12:08	0.0	0.0	12:08	0.1	0.1	-
12:09	0.0	0.0	12:09	0.1	0.1	-
12:10	0.0	0.0	12:10	0.1	0.1	-
12:11	0.0	0.0	12:11	0.2	0.1	-
12:12	0.0	0.0	12:12	0.2	0.1	-
12:13	0.0	0.0	12:13	0.2	0.1	-
12:14	0.0	0.0	12:14	0.1	0.1	-
12:15	0.0	0.0	12:15	0.1	0.1	-
12:16	0.0	0.0	12:16	0.1	0.1	-
12:17	0.0	0.0	12:17	0.2	0.1	-
12:18	0.0	0.0	12:18	0.1	0.1	-
12:19	0.0	0.0	12:19	0.2	0.1	-
12:20	0.0	0.0	12:20	0.2	0.1	-
12:21	0.0	0.0	12:21	0.2	0.1	-
12:22	0.0	0.0	12:22	0.2	0.2	-
12:23	0.0	0.0	12:23	0.2	0.2	-
12:24	0.0	0.0	12:24	0.1	0.2	-
12:25	0.0	0.0	12:25	0.2	0.2	-
12:26	0.0	0.0	12:26	0.2	0.2	-
12:27	0.0	0.0	12:27	0.2	0.2	-
12:28	0.0	0.0	12:28	0.2	0.2	-
12:29	0.0	0.0	12:29	0.2	0.2	-
12:30	0.0	0.0	12:30	0.2	0.2	-
12:31	0.0	0.0	12:31	0.2	0.2	-
12:32	0.0	0.0	12:32	0.2	0.2	-
12:33	0.0	0.0	12:33	0.2	0.2	-
12:34	0.0	0.0	12:34	0.2	0.2	-
12:35	0.0	0.0	12:35	0.2	0.2	-
12:36	0.0	0.0	12:36	0.2	0.2	-
12:37	0.0	0.0	12:37	0.1	0.2	-
12:38	0.0	0.0	12:38	0.2	0.2	-
12:39	0.0	0.0	12:39	0.2	0.2	-
12:40	0.0	0.0	12:40	0.2	0.2	-
12:41	0.0	0.0	12:41	0.2	0.2	-
12:42	0.0	0.0	12:42	0.2	0.2	-
12:43	0.0	0.0	12:43	0.2	0.2	-
12:44	0.0	0.0	12:44	0.2	0.2	-
12:45	0.0	0.0	12:45	0.2	0.2	-
12:46	0.0	0.0	12:46	0.2	0.2	-
12:47	0.0	0.0	12:47	0.1	0.2	-
12:48	0.0	0.0	12:48	0.2	0.2	-
12:49	0.0	0.0	12:49	0.2	0.2	-
12:50	0.0	0.0	12:50	0.2	0.2	-
12:51	0.0	0.0	12:51	0.2	0.2	-
12:52	0.0	0.0	12:52	0.2	0.2	-
12:53	0.0	0.0	12:53	0.2	0.2	-
12:54	0.0	0.0	12:54	0.2	0.2	-
12:55	0.0	0.0	12:55	0.2	0.2	-
12:56	0.0	0.0	12:56	0.2	0.2	-
12:57	0.0	0.0	12:57	0.2	0.2	-
12:58	0.0	0.0	12:58	0.2	0.2	-
12:59	0.0	0.0	12:59	0.2	0.2	-
13:00	0.0	0.0	13:00	0.2	0.2	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:01	0.0	0.0	13:01	0.2	0.2	-
13:02	0.0	0.0	13:02	0.2	0.2	-
13:03	0.0	0.0	13:03	0.2	0.2	-
13:04	0.0	0.0	13:04	0.2	0.2	-
13:05	0.0	0.0	13:05	0.1	0.2	-
13:06	0.0	0.0	13:06	0.2	0.2	-
13:07	0.0	0.0	13:07	0.1	0.2	-
13:08	0.0	0.0	13:08	0.1	0.2	-
13:09	0.0	0.0	13:09	0.1	0.2	-
13:10	0.0	0.0	13:10	0.1	0.2	-
13:11	0.0	0.0	13:11	0.1	0.2	-
13:12	0.0	0.0	13:12	0.1	0.2	-
13:13	0.0	0.0	13:13	0.1	0.1	-
13:14	0.0	0.0	13:14	0.2	0.1	-
13:15	0.0	0.0	13:15	0.2	0.1	-
13:16	0.0	0.0	13:16	0.2	0.1	-
13:17	0.0	0.0	13:17	0.1	0.1	-
13:18	0.0	0.0	13:18	0.2	0.1	-
13:19	0.0	0.0	13:19	0.2	0.1	-
13:20	0.0	0.0	13:20	0.2	0.1	-
13:21	0.0	0.0	13:21	0.2	0.1	-
13:22	0.0	0.0	13:22	0.2	0.2	-
13:23	0.0	0.0	13:23	0.2	0.2	-
13:24	0.0	0.0	13:24	0.2	0.2	-
13:25	0.0	0.0	13:25	0.2	0.2	-
13:26	0.0	0.0	13:26	0.2	0.2	-
13:27	0.0	0.0	13:27	0.2	0.2	-
13:28	0.0	0.0	13:28	0.2	0.2	-
13:29	0.0	0.0	13:29	0.2	0.2	-
13:30	0.0	0.0	13:30	0.2	0.2	-
13:31	0.0	0.0	13:31	0.2	0.2	-
13:32	0.0	0.0	13:32	0.2	0.2	-
13:33	0.0	0.0	13:33	0.2	0.2	-
13:34	0.0	0.0	13:34	0.1	0.2	-
13:35	0.0	0.0	13:35	0.1	0.2	-
13:36	0.0	0.0	13:36	0.1	0.2	-
13:37	0.0	0.0	13:37	0.1	0.2	-
13:38	0.0	0.0	13:38	0.1	0.2	-
13:39	0.0	0.0	13:39	0.1	0.2	-
13:40	0.0	0.0	13:40	0.1	0.2	-
13:41	0.0	0.0	13:41	0.1	0.1	-
13:42	0.0	0.0	13:42	0.1	0.1	-
13:43	0.0	0.0	13:43	0.1	0.1	-
13:44	0.0	0.0	13:44	0.1	0.1	-
13:45	0.0	0.0	13:45	0.1	0.1	-
13:46	0.0	0.0	13:46	0.1	0.1	-
13:47	0.0	0.0	13:47	0.1	0.1	-
13:48	0.0	0.0	13:48	0.1	0.1	-
13:49	0.0	0.0	13:49	0.1	0.1	-
13:50	0.0	0.0	13:50	0.1	0.1	-
13:51	0.0	0.0	13:51	0.1	0.1	-
13:52	0.0	0.0	13:52	0.1	0.1	-
13:53	0.0	0.0	13:53	0.1	0.1	-
13:54	0.0	0.0	13:54	0.1	0.1	-
13:55	0.0	0.0	13:55	0.1	0.1	-
13:56	0.0	0.0	13:56	0.1	0.1	-
13:57	0.0	0.0	13:57	0.1	0.1	-
13:58	0.0	0.0	13:58	0.1	0.1	-
13:59	0.0	0.0	13:59	0.1	0.1	-
14:00	0.0	0.0	14:00	0.1	0.1	-
14:01	0.0	0.0	14:01	0.1	0.1	-
14:02	0.0	0.0	14:02	0.1	0.1	-
14:03	0.0	0.0	14:03	0.1	0.1	-
14:04	0.0	0.0	14:04	0.1	0.1	-
14:05	0.0	0.0	14:05	0.1	0.1	-
14:06	0.0	0.0	14:06	0.1	0.1	-
14:07	0.0	0.0	14:07	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:08	0.0	0.0	14:08	0.1	0.1	-
14:09	0.0	0.0	14:09	0.1	0.1	-
14:10	0.0	0.0	14:10	0.1	0.1	-
14:11	0.0	0.0	14:11	0.1	0.1	-
14:12	0.0	0.0	14:12	0.1	0.1	-
14:13	0.0	0.0	14:13	0.1	0.1	-
14:14	0.0	0.0	14:14	0.1	0.1	-
14:15	0.0	0.0	14:15	0.1	0.1	-
14:16	0.0	0.0	14:16	0.1	0.1	-
14:17	0.0	0.0	14:17	0.1	0.1	-
14:18	0.0	0.0	14:18	0.1	0.1	-
14:19	0.0	0.0	14:19	0.1	0.1	-
14:20	0.0	0.0	14:20	0.1	0.1	-
14:21	0.0	0.0	14:21	0.1	0.1	-
14:22	0.0	0.0	14:22	0.1	0.1	-
14:23	0.0	0.0	14:23	0.1	0.1	-
14:24	0.0	0.0	14:24	0.1	0.1	-
14:25	0.0	0.0	14:25	0.1	0.1	-
14:26	0.0	0.0	14:26	0.1	0.1	-
14:27	0.0	0.0	14:27	0.1	0.1	-
14:28	0.0	0.0	14:28	0.1	0.1	-
14:29	0.0	0.0	14:29	0.1	0.1	-
14:30	0.0	0.0	14:30	0.1	0.1	-
14:31	0.0	0.0	14:31	0.1	0.1	-
14:32	0.0	0.0	14:32	0.1	0.1	-
14:33	0.0	0.0	14:33	0.1	0.1	-
14:34	0.0	0.0	14:34	0.1	0.1	-
14:35	0.0	0.0	14:35	0.1	0.1	-
14:36	0.0	0.0	14:36	0.1	0.1	-
14:37	0.0	0.0	14:37	0.1	0.1	-
14:38	0.0	0.0	14:38	0.1	0.1	-
14:39	0.0	0.0	14:39	0.1	0.1	-
14:40	0.0	0.0	14:40	0.1	0.1	-
14:41	0.0	0.0	14:41	0.1	0.1	-
14:42	0.0	0.0	14:42	0.1	0.1	-
14:43	0.0	0.0	14:43	0.1	0.1	-
14:44	0.0	0.0	14:44	0.1	0.1	-
14:45	0.0	0.0	14:45	0.1	0.1	-
14:46	0.1	0.0	14:46	0.1	0.1	-
14:47	0.1	0.0	14:47	0.1	0.1	-
14:48	0.1	0.0	14:48	0.1	0.1	-
14:49	0.1	0.0	14:49	0.1	0.1	-
14:50	0.1	0.0	14:50	0.1	0.1	-
14:51	0.1	0.0	14:51	0.1	0.1	-
14:52	0.1	0.0	14:52	0.1	0.1	-
14:53	0.1	0.1	14:53	0.1	0.1	-
14:54	0.1	0.1	14:54	0.1	0.1	-
14:55	0.1	0.1	14:55	0.1	0.1	-
14:56	0.1	0.1	14:56	0.1	0.1	-
14:57	0.1	0.1	14:57	0.1	0.1	-
14:58	0.1	0.1	14:58	0.1	0.1	-
14:59	0.1	0.1	14:59	0.1	0.1	-
15:00	0.1	0.1	15:00	0.1	0.1	-
15:01	0.1	0.1	15:01	0.1	0.1	-
15:02	0.1	0.1	15:02	0.1	0.1	-
15:03	0.1	0.1	15:03	0.1	0.1	-
15:04	0.1	0.1	15:04	0.1	0.1	-
15:05	0.1	0.1	15:05	0.1	0.1	-
15:06	0.1	0.1	15:06	0.1	0.1	-
15:07	0.1	0.1	15:07	0.1	0.1	-
15:08	0.1	0.1	15:08	0.1	0.1	-
15:09	0.1	0.1	15:09	0.1	0.1	-
15:10	0.1	0.1	15:10	0.1	0.1	-
15:11	0.1	0.1	15:11	0.1	0.1	-
15:12	0.1	0.1	15:12	0.1	0.1	-
15:13	0.1	0.1	15:13	0.1	0.1	-
15:14	0.1	0.1	15:14	0.1	0.1	-
15:15	0.1	0.1	15:15	0.1	0.1	-
15:16	0.1	0.1	15:16	0.1	0.1	-
15:17	0.1	0.1	15:17	0.1	0.1	-
15:18	0.1	0.1	15:18	0.1	0.1	-
15:19	0.1	0.1	15:19	0.1	0.1	-
15:20	0.1	0.1	15:20	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
15:21	0.1	0.1	15:21	0.1	0.1	-
15:22	0.1	0.1	15:22	0.1	0.1	-
15:23	0.1	0.1	15:23	0.1	0.1	-
15:24	0.1	0.1	15:24	0.1	0.1	-
15:25	0.0	0.1	15:25	0.1	0.1	-
15:26	0.1	0.1	15:26	0.1	0.1	-
15:27	0.1	0.1	15:27	0.1	0.1	-
15:28	0.0	0.1	15:28	0.1	0.1	-
15:29	0.0	0.1	15:29	0.1	0.1	-
15:30	0.0	0.1	15:30	0.1	0.1	-
15:31	0.0	0.1	15:31	0.1	0.1	-
15:32	0.0	0.1	15:32	0.1	0.1	-
15:33	0.0	0.1	15:33	0.1	0.1	-
15:34	0.0	0.0	15:34	0.1	0.1	-
15:35	0.0	0.0	15:35	0.1	0.1	-
15:36	0.0	0.0	15:36	0.1	0.1	-
15:37	0.1	0.0	15:37	0.1	0.1	-
15:38	0.1	0.0	15:38	0.1	0.1	-
15:39	0.0	0.0	15:39	0.1	0.1	-
15:40	0.0	0.0	15:40	0.1	0.1	-
15:41	0.0	0.0	15:41	0.1	0.1	-
15:42	0.0	0.0	15:42	0.1	0.1	-
15:43	0.0	0.0	15:43	0.1	0.1	-
15:44	0.0	0.0	15:44	0.1	0.1	-
15:45	0.0	0.0	15:45	0.1	0.1	-
15:46	0.0	0.0	15:46	0.1	0.1	-
15:47	0.0	0.0	15:47	0.1	0.1	-
15:48	0.0	0.0	15:48	0.1	0.1	-
15:49	0.0	0.0	15:49	0.1	0.1	-
15:50	0.0	0.0	15:50	0.1	0.1	-
15:51	0.0	0.0	15:51	0.1	0.1	-
15:52	0.0	0.0	15:52	0.1	0.1	-
15:53	0.0	0.0	15:53	0.1	0.1	-
15:54	0.0	0.0	15:54	0.1	0.1	-
15:55	0.0	0.0	15:55	0.1	0.1	-
15:56	0.0	0.0	15:56	0.1	0.1	-
15:57	0.0	0.0	15:57	0.1	0.1	-
15:58	0.0	0.0	15:58	0.1	0.1	-
15:59	0.0	0.0	15:59	0.1	0.1	-
16:00	0.0	0.0	16:00	0.1	0.1	-
16:01	0.0	0.0	16:01	0.1	0.1	-
16:02	0.0	0.0	16:02	0.1	0.1	-
16:03	0.1	0.0	16:03	0.1	0.1	-
16:04	0.0	0.0	16:04	0.1	0.1	-
16:05	0.0	0.0	16:05	0.1	0.1	-
16:06	0.0	0.0	16:06	0.1	0.1	-
16:07	0.0	0.0	16:07	0.1	0.1	-
16:08	0.1	0.0	16:08	0.1	0.1	-
16:09	0.1	0.0	16:09	0.1	0.1	-
16:10	0.0	0.0	16:10	0.1	0.1	-
16:11	0.0	0.0	16:11	0.1	0.1	-
16:12	0.0	0.0	16:12	0.1	0.1	-
16:13	0.0	0.0	16:13	0.1	0.1	-
16:14	0.0	0.0	16:14	0.1	0.1	-
16:15	0.0	0.0	16:15	0.1	0.1	-
16:16	0.0	0.0	16:16	0.1	0.1	-
16:17	0.0	0.0	16:17	0.1	0.1	-
16:18	0.0	0.0	16:18	0.1	0.1	-
16:19	0.0	0.0	16:19	0.1	0.1	-
16:20	0.0	0.0	16:20	0.1	0.1	-
16:21	0.0	0.0	16:21	0.1	0.1	-
16:22	0.0	0.0	16:22	0.1	0.1	-
16:23	0.0	0.0	16:23	0.1	0.1	-
16:24	0.0	0.0	16:24	0.1	0.1	-
16:25	0.0	0.0	16:25	0.1	0.1	-
16:26	0.0	0.0	16:26	0.1	0.1	-
16:27	0.0	0.0	16:27	0.1	0.1	-
16:28	0.0	0.0	16:28	0.1	0.1	-
16:29	0.0	0.0	16:29	0.1	0.1	-

LANGAN

459 Smith Street
170420201
CAMP Data Summary

Date: 12/15/2021
Observer: Andrew Nesci

Particulate Monitoring			
		Upwind	**Downwind**
Minimum 15min Average		0.002	0.006
Maximum 15min Average		0.010	0.009
High Intervals "exceedances" (15min > 1.5 + Upwind level)		N/A	No
Minimum 1min Reading		0.001	0.002
Maximum 1min Reading		0.038	0.027

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.1	0.2
High Intervals "exceedances" (15min > 5 + Upwind level)	N/A	No
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.2	0.3

All reported particulate concentrations are in mg/m3 or milligrams per cubic meter and all reported organic vapor concentrations are in ppm or parts per million, unless specified otherwise.

December 15, 2021						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						549
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
6:54	0.036		6:54	0.007		
6:55	0.008		6:55	0.007		
6:56	0.010		6:56	0.007		
6:57	0.009		6:57	0.007		
6:58	0.009		6:58	0.007		
6:59	0.007		6:59	0.006		
7:00	0.007		7:00	0.007		
7:01	0.007		7:01	0.007		
7:02	0.007		7:02	0.008		
7:03	0.007		7:03	0.007		
7:04	0.007		7:04	0.007		
7:05	0.008		7:05	0.007		
7:06	0.008		7:06	0.007		
7:07	0.006		7:07	0.006		
7:08	0.007	0.010	7:08	0.007		
7:09	0.007	0.008	7:09	0.007		
7:10	0.006	0.007	7:10	0.006		
7:11	0.007	0.007	7:11	0.007	0.007	-
7:12	0.006	0.007	7:12	0.006	0.007	-
7:13	0.007	0.007	7:13	0.006	0.007	-
7:14	0.006	0.007	7:14	0.006	0.007	-
7:15	0.007	0.007	7:15	0.006	0.007	-
7:16	0.006	0.007	7:16	0.006	0.007	-
7:17	0.007	0.007	7:17	0.006	0.006	-
7:18	0.007	0.007	7:18	0.007	0.006	-
7:19	0.008	0.007	7:19	0.007	0.006	-
7:20	0.007	0.007	7:20	0.007	0.006	-
7:21	0.007	0.007	7:21	0.006	0.006	-
7:22	0.007	0.007	7:22	0.007	0.006	-
7:23	0.007	0.007	7:23	0.007	0.006	-
7:24	0.009	0.007	7:24	0.007	0.006	-
7:25	0.011	0.007	7:25	0.007	0.007	-
7:26	0.009	0.007	7:26	0.007	0.007	-
7:27	0.007	0.007	7:27	0.007	0.007	-
7:28	0.007	0.007	7:28	0.007	0.007	-
7:29	0.008	0.008	7:29	0.007	0.007	-
7:30	0.008	0.008	7:30	0.008	0.007	-
7:31	0.010	0.008	7:31	0.008	0.007	-
7:32	0.009	0.008	7:32	0.008	0.007	-
7:33	0.009	0.008	7:33	0.007	0.007	-
7:34	0.011	0.008	7:34	0.007	0.007	-
7:35	0.010	0.009	7:35	0.007	0.007	-
7:36	0.008	0.009	7:36	0.008	0.007	-
7:37	0.008	0.009	7:37	0.007	0.007	-
7:38	0.007	0.009	7:38	0.007	0.007	-
7:39	0.007	0.009	7:39	0.007	0.007	-
7:40	0.007	0.008	7:40	0.009	0.007	-
7:41	0.007	0.008	7:41	0.008	0.007	-
7:42	0.008	0.008	7:42	0.007	0.007	-
7:43	0.007	0.008	7:43	0.009	0.008	-
7:44	0.007	0.008	7:44	0.010	0.008	-
7:45	0.007	0.008	7:45	0.007	0.008	-
7:46	0.008	0.008	7:46	0.009	0.008	-
7:47	0.009	0.008	7:47	0.008	0.008	-
7:48	0.009	0.008	7:48	0.008	0.008	-
7:49	0.010	0.008	7:49	0.008	0.008	-
7:50	0.010	0.008	7:50	0.008	0.008	-
7:51	0.011	0.008	7:51	0.007	0.008	-
7:52	0.008	0.008	7:52	0.007	0.008	-
7:53	0.007	0.008	7:53	0.008	0.008	-
7:54	0.007	0.008	7:54	0.008	0.008	-
7:55	0.007	0.008	7:55	0.008	0.008	-
7:56	0.015	0.009	7:56	0.012	0.008	-
7:57	0.021	0.010	7:57	0.008	0.008	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
7:58	0.015	0.010	7:58	0.007	0.008	-
7:59	0.008	0.010	7:59	0.008	0.008	-
8:00	0.008	0.010	8:00	0.008	0.008	-
8:01	0.008	0.010	8:01	0.007	0.008	-
8:02	0.008	0.010	8:02	0.007	0.008	-
8:03	0.007	0.010	8:03	0.007	0.008	-
8:04	0.009	0.010	8:04	0.007	0.008	-
8:05	0.008	0.010	8:05	0.007	0.008	-
8:06	0.007	0.010	8:06	0.007	0.008	-
8:07	0.006	0.009	8:07	0.007	0.008	-
8:08	0.006	0.009	8:08	0.007	0.008	-
8:09	0.007	0.009	8:09	0.008	0.008	-
8:10	0.007	0.009	8:10	0.007	0.008	-
8:11	0.008	0.009	8:11	0.007	0.007	-
8:12	0.008	0.008	8:12	0.007	0.007	-
8:13	0.007	0.007	8:13	0.007	0.007	-
8:14	0.006	0.007	8:14	0.008	0.007	-
8:15	0.006	0.007	8:15	0.007	0.007	-
8:16	0.006	0.007	8:16	0.007	0.007	-
8:17	0.008	0.007	8:17	0.007	0.007	-
8:18	0.009	0.007	8:18	0.007	0.007	-
8:19	0.008	0.007	8:19	0.007	0.007	-
8:20	0.009	0.007	8:20	0.006	0.007	-
8:21	0.009	0.007	8:21	0.007	0.007	-
8:22	0.007	0.007	8:22	0.007	0.007	-
8:23	0.008	0.008	8:23	0.007	0.007	-
8:24	0.008	0.008	8:24	0.007	0.007	-
8:25	0.008	0.008	8:25	0.006	0.007	-
8:26	0.008	0.008	8:26	0.007	0.007	-
8:27	0.010	0.008	8:27	0.006	0.007	-
8:28	0.009	0.008	8:28	0.006	0.007	-
8:29	0.007	0.008	8:29	0.006	0.007	-
8:30	0.008	0.008	8:30	0.007	0.007	-
8:31	0.009	0.008	8:31	0.007	0.007	-
8:32	0.009	0.008	8:32	0.007	0.007	-
8:33	0.007	0.008	8:33	0.007	0.007	-
8:34	0.008	0.008	8:34	0.007	0.007	-
8:35	0.007	0.008	8:35	0.009	0.007	-
8:36	0.007	0.008	8:36	0.007	0.007	-
8:37	0.009	0.008	8:37	0.007	0.007	-
8:38	0.011	0.008	8:38	0.007	0.007	-
8:39	0.009	0.008	8:39	0.007	0.007	-
8:40	0.008	0.008	8:40	0.008	0.007	-
8:41	0.008	0.008	8:41	0.007	0.007	-
8:42	0.006	0.008	8:42	0.007	0.007	-
8:43	0.006	0.008	8:43	0.008	0.007	-
8:44	0.007	0.008	8:44	0.008	0.007	-
8:45	0.008	0.008	8:45	0.008	0.007	-
8:46	0.008	0.008	8:46	0.008	0.007	-
8:47	0.007	0.008	8:47	0.007	0.007	-
8:48	0.008	0.008	8:48	0.007	0.007	-
8:49	0.008	0.008	8:49	0.006	0.007	-
8:50	0.009	0.008	8:50	0.007	0.007	-
8:51	0.009	0.008	8:51	0.007	0.007	-
8:52	0.008	0.008	8:52	0.005	0.007	-
8:53	0.008	0.008	8:53	0.006	0.007	-
8:54	0.007	0.008	8:54	0.007	0.007	-
8:55	0.007	0.008	8:55	0.008	0.007	-
8:56	0.007	0.008	8:56	0.006	0.007	-
8:57	0.008	0.008	8:57	0.006	0.007	-
8:58	0.007	0.008	8:58	0.007	0.007	-
8:59	0.008	0.008	8:59	0.008	0.007	-
9:00	0.009	0.008	9:00	0.009	0.007	-
9:01	0.009	0.008	9:01	0.007	0.007	-
9:02	0.009	0.008	9:02	0.008	0.007	-
9:03	0.009	0.008	9:03	0.007	0.007	-
9:04	0.010	0.008	9:04	0.007	0.007	-
9:05	0.010	0.008	9:05	0.007	0.007	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
9:06	0.011	0.008	9:06	0.007	0.007	-
9:07	0.012	0.009	9:07	0.007	0.007	-
9:08	0.009	0.009	9:08	0.007	0.007	-
9:09	0.009	0.009	9:09	0.006	0.007	-
9:10	0.008	0.009	9:10	0.006	0.007	-
9:11	0.009	0.009	9:11	0.007	0.007	-
9:12	0.010	0.009	9:12	0.007	0.007	-
9:13	0.010	0.009	9:13	0.007	0.007	-
9:14	0.010	0.010	9:14	0.008	0.007	-
9:15	0.011	0.010	9:15	0.007	0.007	-
9:16	0.014	0.010	9:16	0.008	0.007	-
9:17	0.010	0.010	9:17	0.007	0.007	-
9:18	0.009	0.010	9:18	0.007	0.007	-
9:19	0.010	0.010	9:19	0.008	0.007	-
9:20	0.010	0.010	9:20	0.008	0.007	-
9:21	0.009	0.010	9:21	0.008	0.007	-
9:22	0.007	0.010	9:22	0.008	0.007	-
9:23	0.009	0.010	9:23	0.008	0.007	-
9:24	0.009	0.010	9:24	0.008	0.007	-
9:25	0.011	0.010	9:25	0.008	0.008	-
9:26	0.010	0.010	9:26	0.008	0.008	-
9:27	0.012	0.010	9:27	0.008	0.008	-
9:28	0.009	0.010	9:28	0.008	0.008	-
9:29	0.008	0.010	9:29	0.008	0.008	-
9:30	0.008	0.010	9:30	0.011	0.008	-
9:31	0.008	0.009	9:31	0.013	0.008	-
9:32	0.007	0.009	9:32	0.014	0.009	-
9:33	0.007	0.009	9:33	0.007	0.009	-
9:34	0.006	0.009	9:34	0.007	0.009	-
9:35	0.008	0.009	9:35	0.007	0.009	-
9:36	0.007	0.008	9:36	0.008	0.009	-
9:37	0.010	0.009	9:37	0.008	0.009	-
9:38	0.009	0.009	9:38	0.007	0.009	-
9:39	0.009	0.009	9:39	0.006	0.009	-
9:40	0.005	0.008	9:40	0.006	0.008	-
9:41	0.007	0.008	9:41	0.007	0.008	-
9:42	0.005	0.008	9:42	0.006	0.008	-
9:43	0.005	0.007	9:43	0.007	0.008	-
9:44	0.007	0.007	9:44	0.010	0.008	-
9:45	0.008	0.007	9:45	0.008	0.008	-
9:46	0.007	0.007	9:46	0.005	0.008	-
9:47	0.008	0.007	9:47	0.005	0.007	-
9:48	0.005	0.007	9:48	0.005	0.007	-
9:49	0.005	0.007	9:49	0.006	0.007	-
9:50	0.006	0.007	9:50	0.008	0.007	-
9:51	0.008	0.007	9:51	0.007	0.007	-
9:52	0.009	0.007	9:52	0.006	0.007	-
9:53	0.007	0.007	9:53	0.007	0.007	-
9:54	0.005	0.006	9:54	0.009	0.007	-
9:55	0.008	0.007	9:55	0.006	0.007	-
9:56	0.008	0.007	9:56	0.006	0.007	-
9:57	0.008	0.007	9:57	0.008	0.007	-
9:58	0.008	0.007	9:58	0.010	0.007	-
9:59	0.008	0.007	9:59	0.007	0.007	-
10:00	0.009	0.007	10:00	0.006	0.007	-
10:01	0.007	0.007	10:01	0.008	0.007	-
10:02	0.005	0.007	10:02	0.006	0.007	-
10:03	0.007	0.007	10:03	0.005	0.007	-
10:04	0.005	0.007	10:04	0.005	0.007	-
10:05	0.007	0.007	10:05	0.005	0.007	-
10:06	0.009	0.007	10:06	0.006	0.007	-
10:07	0.006	0.007	10:07	0.006	0.007	-
10:08	0.004	0.007	10:08	0.006	0.007	-
10:09	0.008	0.007	10:09	0.005	0.006	-
10:10	0.005	0.007	10:10	0.005	0.006	-
10:11	0.004	0.007	10:11	0.005	0.006	-
10:12	0.006	0.007	10:12	0.006	0.006	-
10:13	0.011	0.007	10:13	0.006	0.006	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
10:14	0.006	0.007	10:14	0.007	0.006	-
10:15	0.006	0.006	10:15	0.006	0.006	-
10:16	0.006	0.006	10:16	0.005	0.006	-
10:17	0.007	0.006	10:17	0.004	0.005	-
10:18	0.005	0.006	10:18	0.004	0.005	-
10:19	0.007	0.006	10:19	0.005	0.005	-
10:20	0.006	0.006	10:20	0.004	0.005	-
10:21	0.004	0.006	10:21	0.004	0.005	-
10:22	0.004	0.006	10:22	0.005	0.005	-
10:23	0.006	0.006	10:23	0.004	0.005	-
10:24	0.005	0.006	10:24	0.005	0.005	-
10:25	0.004	0.006	10:25	0.005	0.005	-
10:26	0.003	0.006	10:26	0.004	0.005	-
10:27	0.006	0.006	10:27	0.005	0.005	-
10:28	0.010	0.006	10:28	0.004	0.005	-
10:29	0.007	0.006	10:29	0.004	0.005	-
10:30	0.005	0.006	10:30	0.004	0.004	-
10:31	0.004	0.006	10:31	0.005	0.004	-
10:32	0.003	0.005	10:32	0.005	0.004	-
10:33	0.003	0.005	10:33	0.005	0.005	-
10:34	0.003	0.005	10:34	0.005	0.005	-
10:35	0.004	0.005	10:35	0.005	0.005	-
10:36	0.003	0.005	10:36	0.007	0.005	-
10:37	0.003	0.005	10:37	0.004	0.005	-
10:38	0.006	0.005	10:38	0.004	0.005	-
10:39	0.007	0.005	10:39	0.004	0.005	-
10:40	0.005	0.005	10:40	0.003	0.005	-
10:41	0.008	0.005	10:41	0.004	0.005	-
10:42	0.008	0.005	10:42	0.006	0.005	-
10:43	0.010	0.005	10:43	0.005	0.005	-
10:44	0.006	0.005	10:44	0.004	0.005	-
10:45	0.007	0.005	10:45	0.004	0.005	-
10:46	0.005	0.005	10:46	0.003	0.005	-
10:47	0.006	0.006	10:47	0.004	0.004	-
10:48	0.005	0.006	10:48	0.004	0.004	-
10:49	0.007	0.006	10:49	0.003	0.004	-
10:50	0.007	0.006	10:50	0.004	0.004	-
10:51	0.004	0.006	10:51	0.003	0.004	-
10:52	0.003	0.006	10:52	0.004	0.004	-
10:53	0.003	0.006	10:53	0.004	0.004	-
10:54	0.002	0.006	10:54	0.004	0.004	-
10:55	0.003	0.006	10:55	0.003	0.004	-
10:56	0.004	0.005	10:56	0.003	0.004	-
10:57	0.004	0.005	10:57	0.003	0.004	-
10:58	0.002	0.005	10:58	0.003	0.004	-
10:59	0.004	0.004	10:59	0.004	0.004	-
11:00	0.003	0.004	11:00	0.004	0.004	-
11:01	0.004	0.004	11:01	0.005	0.004	-
11:02	0.003	0.004	11:02	0.004	0.004	-
11:03	0.003	0.004	11:03	0.004	0.004	-
11:04	0.005	0.004	11:04	0.004	0.004	-
11:05	0.004	0.003	11:05	0.004	0.004	-
11:06	0.006	0.004	11:06	0.004	0.004	-
11:07	0.004	0.004	11:07	0.004	0.004	-
11:08	0.003	0.004	11:08	0.004	0.004	-
11:09	0.004	0.004	11:09	0.003	0.004	-
11:10	0.005	0.004	11:10	0.006	0.004	-
11:11	0.003	0.004	11:11	0.005	0.004	-
11:12	0.003	0.004	11:12	0.005	0.004	-
11:13	0.007	0.004	11:13	0.004	0.004	-
11:14	0.004	0.004	11:14	0.003	0.004	-
11:15	0.003	0.004	11:15	0.004	0.004	-
11:16	0.003	0.004	11:16	0.004	0.004	-
11:17	0.005	0.004	11:17	0.004	0.004	-
11:18	0.004	0.004	11:18	0.003	0.004	-
11:19	0.003	0.004	11:19	0.003	0.004	-
11:20	0.005	0.004	11:20	0.003	0.004	-
11:21	0.004	0.004	11:21	0.003	0.004	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
11:22	0.003	0.004	11:22	0.003	0.004	-
11:23	0.009	0.004	11:23	0.003	0.004	-
11:24	0.003	0.004	11:24	0.003	0.004	-
11:25	0.002	0.004	11:25	0.003	0.004	-
11:26	0.002	0.004	11:26	0.003	0.003	-
11:27	0.002	0.004	11:27	0.004	0.003	-
11:28	0.002	0.004	11:28	0.003	0.003	-
11:29	0.002	0.003	11:29	0.003	0.003	-
11:30	0.003	0.003	11:30	0.004	0.003	-
11:31	0.002	0.003	11:31	0.004	0.003	-
11:32	0.002	0.003	11:32	0.004	0.003	-
11:33	0.002	0.003	11:33	0.004	0.003	-
11:34	0.002	0.003	11:34	0.004	0.003	-
11:35	0.002	0.003	11:35	0.003	0.003	-
11:36	0.002	0.003	11:36	0.004	0.003	-
11:37	0.005	0.003	11:37	0.004	0.004	-
11:38	0.002	0.002	11:38	0.005	0.004	-
11:39	0.001	0.002	11:39	0.003	0.004	-
11:40	0.002	0.002	11:40	0.003	0.004	-
11:41	0.002	0.002	11:41	0.003	0.004	-
11:42	0.003	0.002	11:42	0.003	0.004	-
11:43	0.001	0.002	11:43	0.003	0.004	-
11:44	0.002	0.002	11:44	0.002	0.004	-
11:45	0.002	0.002	11:45	0.003	0.003	-
11:46	0.002	0.002	11:46	0.004	0.003	-
11:47	0.002	0.002	11:47	0.004	0.003	-
11:48	0.003	0.002	11:48	0.004	0.003	-
11:49	0.003	0.002	11:49	0.004	0.003	-
11:50	0.003	0.002	11:50	0.003	0.003	-
11:51	0.002	0.002	11:51	0.003	0.003	-
11:52	0.002	0.002	11:52	0.003	0.003	-
11:53	0.003	0.002	11:53	0.002	0.003	-
11:54	0.006	0.003	11:54	0.004	0.003	-
11:55	0.004	0.003	11:55	0.004	0.003	-
11:56	0.003	0.003	11:56	0.004	0.003	-
11:57	0.002	0.003	11:57	0.004	0.003	-
11:58	0.002	0.003	11:58	0.002	0.003	-
11:59	0.003	0.003	11:59	0.002	0.003	-
12:00	0.004	0.003	12:00	0.002	0.003	-
12:01	0.003	0.003	12:01	0.002	0.003	-
12:02	0.002	0.003	12:02	0.002	0.003	-
12:03	0.002	0.003	12:03	0.002	0.003	-
12:04	0.002	0.003	12:04	0.002	0.003	-
12:05	0.002	0.003	12:05	0.003	0.003	-
12:06	0.002	0.003	12:06	0.003	0.003	-
12:07	0.002	0.003	12:07	0.003	0.003	-
12:08	0.004	0.003	12:08	0.002	0.003	-
12:09	0.003	0.003	12:09	0.004	0.003	-
12:10	0.004	0.003	12:10	0.004	0.003	-
12:11	0.003	0.003	12:11	0.003	0.003	-
12:12	0.002	0.003	12:12	0.003	0.003	-
12:13	0.005	0.003	12:13	0.003	0.003	-
12:14	0.002	0.003	12:14	0.002	0.003	-
12:15	0.002	0.003	12:15	0.002	0.003	-
12:16	0.002	0.003	12:16	0.003	0.003	-
12:17	0.002	0.003	12:17	0.002	0.003	-
12:18	0.003	0.003	12:18	0.002	0.003	-
12:19	0.002	0.003	12:19	0.002	0.003	-
12:20	0.003	0.003	12:20	0.002	0.003	-
12:21	0.006	0.003	12:21	0.002	0.003	-
12:22	0.005	0.003	12:22	0.002	0.003	-
12:23	0.002	0.003	12:23	0.003	0.003	-
12:24	0.004	0.003	12:24	0.003	0.003	-
12:25	0.005	0.003	12:25	0.003	0.002	-
12:26	0.002	0.003	12:26	0.003	0.002	-
12:27	0.002	0.003	12:27	0.003	0.002	-
12:28	0.001	0.003	12:28	0.003	0.002	-
12:29	0.002	0.003	12:29	0.003	0.003	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
12:30	0.002	0.003	12:30	0.002	0.003	-
12:31	0.003	0.003	12:31	0.002	0.002	-
12:32	0.004	0.003	12:32	0.003	0.003	-
12:33	0.002	0.003	12:33	0.003	0.003	-
12:34	0.002	0.003	12:34	0.003	0.003	-
12:35	0.002	0.003	12:35	0.002	0.003	-
12:36	0.003	0.003	12:36	0.003	0.003	-
12:37	0.002	0.003	12:37	0.002	0.003	-
12:38	0.002	0.003	12:38	0.002	0.003	-
12:39	0.002	0.002	12:39	0.002	0.003	-
12:40	0.003	0.002	12:40	0.004	0.003	-
12:41	0.003	0.002	12:41	0.004	0.003	-
12:42	0.002	0.002	12:42	0.003	0.003	-
12:43	0.002	0.002	12:43	0.003	0.003	-
12:44	0.004	0.003	12:44	0.003	0.003	-
12:45	0.002	0.003	12:45	0.002	0.003	-
12:46	0.002	0.002	12:46	0.003	0.003	-
12:47	0.002	0.002	12:47	0.003	0.003	-
12:48	0.002	0.002	12:48	0.003	0.003	-
12:49	0.003	0.002	12:49	0.002	0.003	-
12:50	0.006	0.003	12:50	0.003	0.003	-
12:51	0.003	0.003	12:51	0.003	0.003	-
12:52	0.002	0.003	12:52	0.003	0.003	-
12:53	0.002	0.003	12:53	0.003	0.003	-
12:54	0.004	0.003	12:54	0.004	0.003	-
12:55	0.003	0.003	12:55	0.004	0.003	-
12:56	0.002	0.003	12:56	0.004	0.003	-
12:57	0.002	0.003	12:57	0.003	0.003	-
12:58	0.002	0.003	12:58	0.003	0.003	-
12:59	0.003	0.003	12:59	0.003	0.003	-
13:00	0.002	0.003	13:00	0.003	0.003	-
13:01	0.004	0.003	13:01	0.003	0.003	-
13:02	0.002	0.003	13:02	0.003	0.003	-
13:03	0.002	0.003	13:03	0.003	0.003	-
13:04	0.002	0.003	13:04	0.003	0.003	-
13:05	0.002	0.002	13:05	0.003	0.003	-
13:06	0.002	0.002	13:06	0.004	0.003	-
13:07	0.002	0.002	13:07	0.004	0.003	-
13:08	0.002	0.002	13:08	0.004	0.003	-
13:09	0.004	0.002	13:09	0.004	0.003	-
13:10	0.003	0.002	13:10	0.004	0.003	-
13:11	0.002	0.002	13:11	0.004	0.003	-
13:12	0.003	0.002	13:12	0.004	0.003	-
13:13	0.002	0.002	13:13	0.003	0.003	-
13:14	0.002	0.002	13:14	0.003	0.003	-
13:15	0.002	0.002	13:15	0.003	0.003	-
13:16	0.002	0.002	13:16	0.003	0.003	-
13:17	0.002	0.002	13:17	0.003	0.003	-
13:18	0.002	0.002	13:18	0.003	0.003	-
13:19	0.002	0.002	13:19	0.003	0.003	-
13:20	0.002	0.002	13:20	0.003	0.003	-
13:21	0.001	0.002	13:21	0.003	0.003	-
13:22	0.002	0.002	13:22	0.003	0.003	-
13:23	0.002	0.002	13:23	0.003	0.003	-
13:24	0.003	0.002	13:24	0.003	0.003	-
13:25	0.003	0.002	13:25	0.003	0.003	-
13:26	0.002	0.002	13:26	0.004	0.003	-
13:27	0.002	0.002	13:27	0.004	0.003	-
13:28	0.003	0.002	13:28	0.004	0.003	-
13:29	0.003	0.002	13:29	0.004	0.003	-
13:30	0.003	0.002	13:30	0.004	0.003	-
13:31	0.008	0.003	13:31	0.005	0.003	-
13:32	0.004	0.003	13:32	0.004	0.004	-
13:33	0.002	0.003	13:33	0.004	0.004	-
13:34	0.004	0.003	13:34	0.004	0.004	-
13:35	0.004	0.003	13:35	0.003	0.004	-
13:36	0.007	0.003	13:36	0.003	0.004	-
13:37	0.006	0.004	13:37	0.004	0.004	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
13:38	0.002	0.004	13:38	0.005	0.004	-
13:39	0.003	0.004	13:39	0.005	0.004	-
13:40	0.006	0.004	13:40	0.005	0.004	-
13:41	0.003	0.004	13:41	0.006	0.004	-
13:42	0.002	0.004	13:42	0.006	0.004	-
13:43	0.003	0.004	13:43	0.004	0.004	-
13:44	0.003	0.004	13:44	0.004	0.004	-
13:45	0.003	0.004	13:45	0.004	0.004	-
13:46	0.003	0.004	13:46	0.004	0.004	-
13:47	0.002	0.004	13:47	0.004	0.004	-
13:48	0.002	0.004	13:48	0.004	0.004	-
13:49	0.003	0.003	13:49	0.003	0.004	-
13:50	0.008	0.004	13:50	0.004	0.004	-
13:51	0.005	0.004	13:51	0.004	0.004	-
13:52	0.003	0.003	13:52	0.004	0.004	-
13:53	0.004	0.004	13:53	0.005	0.004	-
13:54	0.004	0.004	13:54	0.004	0.004	-
13:55	0.004	0.003	13:55	0.004	0.004	-
13:56	0.003	0.003	13:56	0.004	0.004	-
13:57	0.003	0.004	13:57	0.003	0.004	-
13:58	0.004	0.004	13:58	0.003	0.004	-
13:59	0.006	0.004	13:59	0.003	0.004	-
14:00	0.003	0.004	14:00	0.003	0.004	-
14:01	0.003	0.004	14:01	0.003	0.004	-
14:02	0.003	0.004	14:02	0.004	0.004	-
14:03	0.003	0.004	14:03	0.011	0.004	-
14:04	0.002	0.004	14:04	0.005	0.004	-
14:05	0.002	0.003	14:05	0.027	0.006	-
14:06	0.007	0.004	14:06	0.022	0.007	-
14:07	0.025	0.005	14:07	0.008	0.007	-
14:08	0.006	0.005	14:08	0.005	0.007	-
14:09	0.002	0.005	14:09	0.008	0.008	-
14:10	0.003	0.005	14:10	0.005	0.008	-
14:11	0.004	0.005	14:11	0.010	0.008	-
14:12	0.007	0.005	14:12	0.004	0.008	-
14:13	0.008	0.006	14:13	0.004	0.008	-
14:14	0.003	0.005	14:14	0.003	0.008	-
14:15	0.011	0.006	14:15	0.004	0.008	-
14:16	0.009	0.006	14:16	0.004	0.008	-
14:17	0.006	0.007	14:17	0.004	0.008	-
14:18	0.002	0.006	14:18	0.007	0.008	-
14:19	0.003	0.007	14:19	0.004	0.008	-
14:20	0.002	0.007	14:20	0.007	0.007	-
14:21	0.002	0.006	14:21	0.006	0.006	-
14:22	0.002	0.005	14:22	0.005	0.005	-
14:23	0.006	0.005	14:23	0.005	0.005	-
14:24	0.003	0.005	14:24	0.004	0.005	-
14:25	0.002	0.005	14:25	0.004	0.005	-
14:26	0.003	0.005	14:26	0.005	0.005	-
14:27	0.002	0.004	14:27	0.005	0.005	-
14:28	0.002	0.004	14:28	0.006	0.005	-
14:29	0.002	0.004	14:29	0.006	0.005	-
14:30	0.002	0.003	14:30	0.006	0.005	-
14:31	0.002	0.003	14:31	0.006	0.005	-
14:32	0.002	0.002	14:32	0.005	0.005	-
14:33	0.002	0.002	14:33	0.003	0.005	-
14:34	0.002	0.002	14:34	0.003	0.005	-
14:35	0.002	0.002	14:35	0.003	0.005	-
14:36	0.002	0.002	14:36	0.003	0.005	-
14:37	0.002	0.002	14:37	0.003	0.004	-
14:38	0.002	0.002	14:38	0.004	0.004	-
14:39	0.002	0.002	14:39	0.003	0.004	-
14:40	0.002	0.002	14:40	0.003	0.004	-
14:41	0.003	0.002	14:41	0.004	0.004	-
14:42	0.003	0.002	14:42	0.004	0.004	-
14:43	0.003	0.002	14:43	0.004	0.004	-
14:44	0.002	0.002	14:44	0.003	0.004	-
14:45	0.002	0.002	14:45	0.003	0.004	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
14:46	0.002	0.002	14:46	0.003	0.003	-
14:47	0.002	0.002	14:47	0.003	0.003	-
14:48	0.002	0.002	14:48	0.003	0.003	-
14:49	0.002	0.002	14:49	0.003	0.003	-
14:50	0.002	0.002	14:50	0.003	0.003	-
14:51	0.002	0.002	14:51	0.003	0.003	-
14:52	0.002	0.002	14:52	0.004	0.003	-
14:53	0.003	0.002	14:53	0.004	0.003	-
14:54	0.002	0.002	14:54	0.004	0.003	-
14:55	0.002	0.002	14:55	0.003	0.003	-
14:56	0.002	0.002	14:56	0.003	0.003	-
14:57	0.002	0.002	14:57	0.003	0.003	-
14:58	0.003	0.002	14:58	0.003	0.003	-
14:59	0.003	0.002	14:59	0.003	0.003	-
15:00	0.002	0.002	15:00	0.003	0.003	-
15:01	0.002	0.002	15:01	0.003	0.003	-
15:02	0.003	0.002	15:02	0.003	0.003	-
15:03	0.003	0.002	15:03	0.004	0.003	-
15:04	0.003	0.002	15:04	0.0	0.003	-
15:05	0.003	0.002	15:05	0.0	0.003	-
15:06	0.003	0.003	15:06	0.0	0.004	-
15:07	0.003	0.003	15:07	0.0	0.004	-
15:08	0.003	0.003	15:08	0.0	0.004	-
15:09	0.003	0.003	15:09	0.0	0.004	-
15:10	0.003	0.003	15:10	0.0	0.004	-
15:11	0.038	0.005	15:11	0.0	0.004	-
15:12	0.007	0.005	15:12	0.0	0.004	-
15:13	0.005	0.006	15:13	0.0	0.004	-
15:14	0.003	0.006	15:14	0.0	0.004	-
15:15	0.003	0.006	15:15	0.0	0.004	-
15:16	0.003	0.006	15:16	0.0	0.004	-
15:17	0.003	0.006	15:17	0.0	0.004	-
15:18	0.004	0.006	15:18	0.0	0.004	-
15:19	0.003	0.006	15:19	0.0	0.004	-
15:20	0.003	0.006	15:20	0.0	0.004	-
15:21	0.003	0.006	15:21	0.0	0.004	-
15:22	0.003	0.006	15:22	0.0	0.004	-
15:23	0.003	0.006	15:23	0.0	0.004	-
15:24	0.002	0.006	15:24	0.0	0.004	-
15:25	0.003	0.006	15:25	0.0	0.004	-
15:26	0.003	0.003	15:26	0.003	0.004	-
15:27	0.003	0.003	15:27	0.005	0.004	-
15:28	0.004	0.003	15:28	0.008	0.004	-
15:29	0.003	0.003	15:29	0.006	0.004	-
15:30	0.003	0.003	15:30	0.006	0.004	-
15:31	0.003	0.003	15:31	0.005	0.005	-
15:32	0.003	0.003	15:32	0.004	0.005	-
15:33	0.003	0.003	15:33	0.004	0.005	-
15:34	0.003	0.003	15:34	0.004	0.005	-
15:35	0.004	0.003	15:35	0.005	0.005	-
15:36	0.004	0.003	15:36	0.004	0.005	-
15:37	0.004	0.003	15:37	0.005	0.005	-
15:38	0.003	0.003	15:38	0.009	0.005	-
15:39	0.004	0.003	15:39	0.009	0.005	-
15:40	0.004	0.003	15:40	0.009	0.006	-
15:41	0.004	0.003	15:41	0.009	0.006	-
15:42	0.006	0.004	15:42	0.009	0.006	-
15:43	0.005	0.004	15:43	0.009	0.006	-
15:44	0.005	0.004	15:44	0.008	0.007	-
15:45	0.005	0.004	15:45	0.008	0.007	-
15:46	0.005	0.004	15:46	0.008	0.007	-
15:47	0.005	0.004	15:47	0.009	0.007	-
15:48	0.005	0.004	15:48	0.008	0.008	-
15:49	0.005	0.005	15:49	0.008	0.008	-
15:50	0.005	0.005	15:50	0.007	0.008	-
15:51	0.005	0.005	15:51	0.008	0.008	-
15:52	0.005	0.005	15:52	0.008	0.008	-
15:53	0.005	0.005	15:53	0.008	0.008	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
15:54	0.004	0.005	15:54	0.008	0.008	-
15:55	0.005	0.005	15:55	0.008	0.008	-
15:56	0.005	0.005	15:56	0.009	0.008	-
15:57	0.005	0.005	15:57	0.009	0.008	-
15:58	0.006	0.005	15:58	0.008	0.008	-
15:59	0.005	0.005	15:59	0.009	0.008	-
16:00	0.006	0.005	16:00	0.009	0.008	-
16:01	0.006	0.005	16:01	0.009	0.008	-
16:02	0.006	0.005	16:02	0.009	0.008	-
16:03	0.006	0.005	16:03	0.008	0.008	-
16:04	0.006	0.005	16:04	0.009	0.008	-
16:05	0.005	0.005	16:05	0.009	0.009	-
16:06	0.006	0.005	16:06	0.009	0.009	-
16:07	0.006	0.005	16:07	0.009	0.009	-
16:08	0.005	0.005	16:08	0.009	0.009	-
16:09	0.005	0.006	16:09	0.009	0.009	-
16:10	0.005	0.006	16:10	0.009	0.009	-
16:11	0.005	0.006	16:11	0.009	0.009	-
16:12	0.005	0.006	16:12	0.009	0.009	-
16:13	0.005	0.005	16:13	0.009	0.009	-
16:14	0.006	0.006	16:14	0.009	0.009	-
16:15	0.005	0.005	16:15	0.009	0.009	-
16:16	0.005	0.005	16:16	0.008	0.009	-
16:17	0.006	0.005	16:17	0.008	0.009	-
16:18	0.005	0.005	16:18	0.009	0.009	-
16:19	0.004	0.005	16:19	0.009	0.009	-

December 15, 2021						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =						0
Number of Comparable Data Points =						507
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:01	0.0		7:01	0.0		
7:02	0.0		7:02	0.0		
7:03	0.0		7:03	0.0		
7:04	0.0		7:04	0.0		
7:05	0.0		7:05	0.0		
7:06	0.0		7:06	0.0		
7:07	0.0		7:07	0.0		
7:08	0.0		7:08	0.0		
7:09	0.0		7:09	0.0		
7:10	0.0		7:10	0.0		
7:11	0.0		7:11	0.0		
7:12	0.0		7:12	0.0		
7:13	0.0		7:13	0.0		
7:14	0.0		7:14	0.0		
7:15	0.0	0.0	7:15	0.0		
7:16	0.0	0.0	7:16	0.0		
7:17	0.0	0.0	7:17	0.0		
7:18	0.0	0.0	7:18	0.0		
7:19	0.0	0.0	7:19	0.0	0.0	-
7:20	0.0	0.0	7:20	0.0	0.0	-
7:21	0.0	0.0	7:21	0.0	0.0	-
7:22	0.0	0.0	7:22	0.0	0.0	-
7:23	0.0	0.0	7:23	0.0	0.0	-
7:24	0.0	0.0	7:24	0.0	0.0	-
7:25	0.0	0.0	7:25	0.0	0.0	-
7:26	0.0	0.0	7:26	0.0	0.0	-
7:27	0.0	0.0	7:27	0.0	0.0	-
7:28	0.0	0.0	7:28	0.0	0.0	-
7:29	0.0	0.0	7:29	0.0	0.0	-
7:30	0.0	0.0	7:30	0.0	0.0	-
7:31	0.0	0.0	7:31	0.1	0.0	-
7:32	0.0	0.0	7:32	0.1	0.0	-
7:33	0.0	0.0	7:33	0.0	0.0	-
7:34	0.0	0.0	7:34	0.0	0.0	-
7:35	0.0	0.0	7:35	0.0	0.0	-
7:36	0.0	0.0	7:36	0.0	0.0	-
7:37	0.0	0.0	7:37	0.1	0.0	-
7:38	0.0	0.0	7:38	0.1	0.0	-
7:39	0.0	0.0	7:39	0.1	0.0	-
7:40	0.0	0.0	7:40	0.1	0.0	-
7:41	0.0	0.0	7:41	0.1	0.0	-
7:42	0.0	0.0	7:42	0.1	0.1	-
7:43	0.0	0.0	7:43	0.1	0.1	-
7:44	0.0	0.0	7:44	0.1	0.1	-
7:45	0.0	0.0	7:45	0.1	0.1	-
7:46	0.0	0.0	7:46	0.1	0.1	-
7:47	0.0	0.0	7:47	0.1	0.1	-
7:48	0.0	0.0	7:48	0.1	0.1	-
7:49	0.0	0.0	7:49	0.1	0.1	-
7:50	0.0	0.0	7:50	0.1	0.1	-
7:51	0.0	0.0	7:51	0.1	0.1	-
7:52	0.0	0.0	7:52	0.1	0.1	-
7:53	0.0	0.0	7:53	0.1	0.1	-
7:54	0.0	0.0	7:54	0.1	0.1	-
7:55	0.0	0.0	7:55	0.1	0.1	-
7:56	0.0	0.0	7:56	0.1	0.1	-
7:57	0.0	0.0	7:57	0.1	0.1	-
7:58	0.0	0.0	7:58	0.1	0.1	-
7:59	0.0	0.0	7:59	0.1	0.1	-
8:00	0.0	0.0	8:00	0.1	0.1	-
8:01	0.0	0.0	8:01	0.1	0.1	-
8:02	0.0	0.0	8:02	0.1	0.1	-
8:03	0.0	0.0	8:03	0.1	0.1	-
8:04	0.0	0.0	8:04	0.1	0.1	-
8:05	0.0	0.0	8:05	0.1	0.1	-
8:06	0.0	0.0	8:06	0.1	0.1	-
8:07	0.0	0.0	8:07	0.1	0.1	-
8:08	0.0	0.0	8:08	0.1	0.1	-
8:09	0.0	0.0	8:09	0.1	0.1	-
8:10	0.0	0.0	8:10	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:11	0.0	0.0	8:11	0.1	0.1	-
8:12	0.0	0.0	8:12	0.1	0.1	-
8:13	0.0	0.0	8:13	0.1	0.1	-
8:16	0.0	0.0	8:16	0.1	0.1	-
8:17	0.0	0.0	8:17	0.1	0.1	-
8:18	0.0	0.0	8:18	0.1	0.1	-
8:19	0.0	0.0	8:19	0.1	0.1	-
8:20	0.0	0.0	8:20	0.1	0.1	-
8:21	0.0	0.0	8:21	0.1	0.1	-
8:22	0.0	0.0	8:22	0.1	0.1	-
8:23	0.0	0.0	8:23	0.1	0.1	-
8:24	0.0	0.0	8:24	0.1	0.1	-
8:25	0.0	0.0	8:25	0.1	0.1	-
8:26	0.0	0.0	8:26	0.1	0.1	-
8:27	0.0	0.0	8:27	0.1	0.1	-
8:28	0.0	0.0	8:28	0.1	0.1	-
8:29	0.0	0.0	8:29	0.1	0.1	-
8:30	0.0	0.0	8:30	0.1	0.1	-
8:31	0.0	0.0	8:31	0.1	0.1	-
8:32	0.0	0.0	8:32	0.1	0.1	-
8:33	0.0	0.0	8:33	0.1	0.1	-
8:34	0.0	0.0	8:34	0.1	0.1	-
8:35	0.0	0.0	8:35	0.1	0.1	-
8:36	0.0	0.0	8:36	0.1	0.1	-
8:37	0.0	0.0	8:37	0.1	0.1	-
8:38	0.0	0.0	8:38	0.1	0.1	-
8:39	0.0	0.0	8:39	0.1	0.1	-
8:40	0.0	0.0	8:40	0.1	0.1	-
8:41	0.0	0.0	8:41	0.1	0.1	-
8:42	0.0	0.0	8:42	0.1	0.1	-
8:43	0.0	0.0	8:43	0.1	0.1	-
8:44	0.0	0.0	8:44	0.1	0.1	-
8:45	0.0	0.0	8:45	0.2	0.1	-
8:46	0.0	0.0	8:46	0.1	0.1	-
8:47	0.0	0.0	8:47	0.1	0.1	-
8:48	0.0	0.0	8:48	0.1	0.1	-
8:49	0.0	0.0	8:49	0.1	0.1	-
8:50	0.0	0.0	8:50	0.1	0.1	-
8:51	0.0	0.0	8:51	0.2	0.1	-
8:52	0.0	0.0	8:52	0.2	0.1	-
8:53	0.0	0.0	8:53	0.2	0.1	-
8:54	0.0	0.0	8:54	0.2	0.1	-
8:55	0.0	0.0	8:55	0.2	0.1	-
8:56	0.0	0.0	8:56	0.1	0.1	-
8:57	0.0	0.0	8:57	0.2	0.1	-
8:58	0.0	0.0	8:58	0.2	0.2	-
8:59	0.0	0.0	8:59	0.2	0.2	-
9:00	0.0	0.0	9:00	0.2	0.2	-
9:01	0.0	0.0	9:01	0.2	0.2	-
9:02	0.0	0.0	9:02	0.2	0.2	-
9:03	0.0	0.0	9:03	0.2	0.2	-
9:04	0.0	0.0	9:04	0.2	0.2	-
9:05	0.0	0.0	9:05	0.1	0.2	-
9:06	0.0	0.0	9:06	0.2	0.2	-
9:07	0.0	0.0	9:07	0.2	0.2	-
9:08	0.0	0.0	9:08	0.2	0.2	-
9:09	0.0	0.0	9:09	0.1	0.2	-
9:10	0.0	0.0	9:10	0.1	0.2	-
9:11	0.0	0.0	9:11	0.2	0.2	-
9:12	0.0	0.0	9:12	0.2	0.2	-
9:13	0.0	0.0	9:13	0.2	0.2	-
9:14	0.0	0.0	9:14	0.2	0.2	-
9:15	0.0	0.0	9:15	0.2	0.2	-
9:16	0.0	0.0	9:16	0.2	0.2	-
9:17	0.0	0.0	9:17	0.1	0.2	-
9:18	0.0	0.0	9:18	0.2	0.2	-
9:19	0.0	0.0	9:19	0.2	0.2	-
9:20	0.0	0.0	9:20	0.1	0.2	-
9:21	0.0	0.0	9:21	0.2	0.2	-
9:22	0.0	0.0	9:22	0.2	0.2	-
9:23	0.0	0.0	9:23	0.2	0.2	-
9:24	0.0	0.0	9:24	0.2	0.2	-
9:25	0.0	0.0	9:25	0.1	0.2	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:26	0.0	0.0	9:26	0.2	0.2	-
9:27	0.0	0.0	9:27	0.2	0.2	-
9:28	0.0	0.0	9:28	0.2	0.2	-
9:29	0.0	0.0	9:29	0.2	0.2	-
9:30	0.0	0.0	9:30	0.2	0.2	-
9:31	0.0	0.0	9:31	0.2	0.2	-
9:32	0.0	0.0	9:32	0.2	0.2	-
9:33	0.0	0.0	9:33	0.2	0.2	-
9:34	0.0	0.0	9:34	0.2	0.2	-
9:35	0.0	0.0	9:35	0.2	0.2	-
9:36	0.0	0.0	9:36	0.2	0.2	-
9:37	0.0	0.0	9:37	0.2	0.2	-
9:38	0.0	0.0	9:38	0.2	0.2	-
9:39	0.0	0.0	9:39	0.2	0.2	-
9:40	0.0	0.0	9:40	0.2	0.2	-
9:41	0.0	0.0	9:41	0.2	0.2	-
9:42	0.0	0.0	9:42	0.2	0.2	-
9:43	0.0	0.0	9:43	0.2	0.2	-
9:44	0.0	0.0	9:44	0.2	0.2	-
9:45	0.0	0.0	9:45	0.2	0.2	-
9:46	0.0	0.0	9:46	0.2	0.2	-
9:47	0.0	0.0	9:47	0.2	0.2	-
9:48	0.0	0.0	9:48	0.2	0.2	-
9:49	0.0	0.0	9:49	0.2	0.2	-
9:50	0.1	0.0	9:50	0.2	0.2	-
9:51	0.1	0.0	9:51	0.2	0.2	-
9:52	0.0	0.0	9:52	0.2	0.2	-
9:53	0.1	0.0	9:53	0.2	0.2	-
9:54	0.0	0.0	9:54	0.2	0.2	-
9:55	0.1	0.0	9:55	0.2	0.2	-
9:56	0.1	0.0	9:56	0.2	0.2	-
9:57	0.1	0.0	9:57	0.2	0.2	-
9:58	0.1	0.0	9:58	0.2	0.2	-
9:59	0.1	0.0	9:59	0.2	0.2	-
10:00	0.1	0.0	10:00	0.2	0.2	-
10:01	0.1	0.0	10:01	0.2	0.2	-
10:02	0.1	0.0	10:02	0.2	0.2	-
10:03	0.1	0.0	10:03	0.3	0.2	-
10:04	0.1	0.0	10:04	0.2	0.2	-
10:05	0.1	0.0	10:05	0.2	0.2	-
10:06	0.1	0.1	10:06	0.2	0.2	-
10:07	0.1	0.1	10:07	0.2	0.2	-
10:08	0.1	0.1	10:08	0.2	0.2	-
10:09	0.1	0.1	10:09	0.2	0.2	-
10:10	0.1	0.1	10:10	0.2	0.2	-
10:11	0.1	0.1	10:11	0.2	0.2	-
10:12	0.1	0.1	10:12	0.2	0.2	-
10:13	0.1	0.1	10:13	0.2	0.2	-
10:14	0.1	0.1	10:14	0.2	0.2	-
10:15	0.1	0.1	10:15	0.2	0.2	-
10:16	0.1	0.1	10:16	0.2	0.2	-
10:17	0.1	0.1	10:17	0.2	0.2	-
10:18	0.1	0.1	10:18	0.2	0.2	-
10:19	0.1	0.1	10:19	0.2	0.2	-
10:20	0.1	0.1	10:20	0.2	0.2	-
10:21	0.1	0.1	10:21	0.2	0.2	-
10:22	0.1	0.1	10:22	0.2	0.2	-
10:23	0.1	0.1	10:23	0.2	0.2	-
10:24	0.1	0.1	10:24	0.2	0.2	-
10:25	0.1	0.1	10:25	0.2	0.2	-
10:26	0.1	0.1	10:26	0.2	0.2	-
10:27	0.1	0.1	10:27	0.2	0.2	-
10:28	0.1	0.1	10:28	0.2	0.2	-
10:29	0.1	0.1	10:29	0.2	0.2	-
10:30	0.1	0.1	10:30	0.2	0.2	-
10:31	0.1	0.1	10:31	0.2	0.2	-
10:32	0.1	0.1	10:32	0.2	0.2	-
10:33	0.1	0.1	10:33	0.2	0.2	-
10:34	0.1	0.1	10:34	0.2	0.2	-
10:35	0.1	0.1	10:35	0.2	0.2	-
10:36	0.1	0.1	10:36	0.2	0.2	-
10:37	0.1	0.1	10:37	0.2	0.2	-
10:38	0.1	0.1	10:38	0.2	0.2	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:39	0.1	0.1	10:39	0.2	0.2	-
10:40	0.1	0.1	10:40	0.2	0.2	-
10:41	0.1	0.1	10:41	0.2	0.2	-
10:42	0.1	0.1	10:42	0.2	0.2	-
10:43	0.1	0.1	10:43	0.2	0.2	-
10:44	0.1	0.1	10:44	0.2	0.2	-
10:45	0.1	0.1	10:45	0.2	0.2	-
10:46	0.1	0.1	10:46	0.2	0.2	-
10:47	0.1	0.1	10:47	0.2	0.2	-
10:48	0.1	0.1	10:48	0.2	0.2	-
10:49	0.1	0.1	10:49	0.2	0.2	-
10:50	0.1	0.1	10:50	0.2	0.2	-
10:51	0.1	0.1	10:51	0.2	0.2	-
10:52	0.1	0.1	10:52	0.2	0.2	-
10:53	0.1	0.1	10:53	0.2	0.2	-
10:54	0.1	0.1	10:54	0.2	0.2	-
10:55	0.1	0.1	10:55	0.2	0.2	-
10:56	0.1	0.1	10:56	0.2	0.2	-
10:57	0.1	0.1	10:57	0.2	0.2	-
10:58	0.1	0.1	10:58	0.2	0.2	-
10:59	0.1	0.1	10:59	0.2	0.2	-
11:00	0.1	0.1	11:00	0.2	0.2	-
11:01	0.1	0.1	11:01	0.2	0.2	-
11:02	0.1	0.1	11:02	0.2	0.2	-
11:03	0.1	0.1	11:03	0.2	0.2	-
11:04	0.1	0.1	11:04	0.2	0.2	-
11:05	0.1	0.1	11:05	0.2	0.2	-
11:06	0.1	0.1	11:06	0.2	0.2	-
11:07	0.1	0.1	11:07	0.2	0.2	-
11:08	0.1	0.1	11:08	0.2	0.2	-
11:09	0.1	0.1	11:09	0.2	0.2	-
11:10	0.1	0.1	11:10	0.2	0.2	-
11:11	0.1	0.1	11:11	0.2	0.2	-
11:12	0.1	0.1	11:12	0.2	0.2	-
11:13	0.1	0.1	11:13	0.2	0.2	-
11:14	0.1	0.1	11:14	0.2	0.2	-
11:15	0.1	0.1	11:15	0.2	0.2	-
11:16	0.1	0.1	11:16	0.2	0.2	-
11:17	0.1	0.1	11:17	0.2	0.2	-
11:18	0.1	0.1	11:18	0.2	0.2	-
11:19	0.1	0.1	11:19	0.2	0.2	-
11:20	0.1	0.1	11:20	0.2	0.2	-
11:21	0.1	0.1	11:21	0.2	0.2	-
11:22	0.1	0.1	11:22	0.2	0.2	-
11:23	0.1	0.1	11:23	0.2	0.2	-
11:24	0.1	0.1	11:24	0.2	0.2	-
11:25	0.1	0.1	11:25	0.2	0.2	-
11:26	0.1	0.1	11:26	0.2	0.2	-
11:27	0.1	0.1	11:27	0.2	0.2	-
11:28	0.1	0.1	11:28	0.2	0.2	-
11:29	0.1	0.1	11:29	0.2	0.2	-
11:30	0.1	0.1	11:30	0.2	0.2	-
11:31	0.1	0.1	11:31	0.2	0.2	-
11:32	0.1	0.1	11:32	0.2	0.2	-
11:33	0.1	0.1	11:33	0.2	0.2	-
11:34	0.1	0.1	11:34	0.2	0.2	-
11:35	0.1	0.1	11:35	0.2	0.2	-
11:36	0.1	0.1	11:36	0.2	0.2	-
11:37	0.1	0.1	11:37	0.2	0.2	-
11:38	0.1	0.1	11:38	0.2	0.2	-
11:39	0.1	0.1	11:39	0.2	0.2	-
11:40	0.1	0.1	11:40	0.2	0.2	-
11:41	0.1	0.1	11:41	0.2	0.2	-
11:42	0.2	0.1	11:42	0.2	0.2	-
11:43	0.1	0.1	11:43	0.2	0.2	-
11:44	0.1	0.1	11:44	0.2	0.2	-
11:45	0.1	0.1	11:45	0.2	0.2	-
11:46	0.1	0.1	11:46	0.2	0.2	-
11:47	0.1	0.1	11:47	0.2	0.2	-
11:48	0.1	0.1	11:48	0.2	0.2	-
11:49	0.1	0.1	11:49	0.2	0.2	-
11:50	0.1	0.1	11:50	0.2	0.2	-
11:51	0.1	0.1	11:51	0.2	0.2	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:52	0.1	0.1	11:52	0.2	0.2	-
11:53	0.1	0.1	11:53	0.2	0.2	-
11:54	0.1	0.1	11:54	0.2	0.2	-
11:55	0.1	0.1	11:55	0.2	0.2	-
11:56	0.1	0.1	11:56	0.2	0.2	-
11:57	0.1	0.1	11:57	0.2	0.2	-
11:58	0.1	0.1	11:58	0.2	0.2	-
11:59	0.1	0.1	11:59	0.2	0.2	-
12:00	0.1	0.1	12:00	0.2	0.2	-
12:01	0.1	0.1	12:01	0.2	0.2	-
12:02	0.1	0.1	12:02	0.2	0.2	-
12:03	0.1	0.1	12:03	0.2	0.2	-
12:04	0.1	0.1	12:04	0.2	0.2	-
12:05	0.1	0.1	12:05	0.2	0.2	-
12:06	0.1	0.1	12:06	0.2	0.2	-
12:07	0.1	0.1	12:07	0.2	0.2	-
12:08	0.1	0.1	12:08	0.2	0.2	-
12:09	0.1	0.1	12:09	0.2	0.2	-
12:10	0.1	0.1	12:10	0.2	0.2	-
12:11	0.1	0.1	12:11	0.2	0.2	-
12:12	0.1	0.1	12:12	0.2	0.2	-
12:13	0.1	0.1	12:13	0.2	0.2	-
12:14	0.1	0.1	12:14	0.2	0.2	-
12:15	0.1	0.1	12:15	0.2	0.2	-
12:16	0.1	0.1	12:16	0.2	0.2	-
12:17	0.1	0.1	12:17	0.2	0.2	-
12:18	0.1	0.1	12:18	0.2	0.2	-
12:19	0.1	0.1	12:19	0.2	0.2	-
12:20	0.1	0.1	12:20	0.2	0.2	-
12:21	0.1	0.1	12:21	0.2	0.2	-
12:22	0.1	0.1	12:22	0.2	0.2	-
12:23	0.1	0.1	12:23	0.2	0.2	-
12:24	0.1	0.1	12:24	0.2	0.2	-
12:25	0.1	0.1	12:25	0.2	0.2	-
12:26	0.1	0.1	12:26	0.2	0.2	-
12:27	0.1	0.1	12:27	0.2	0.2	-
12:28	0.1	0.1	12:28	0.2	0.2	-
12:29	0.1	0.1	12:29	0.2	0.2	-
12:30	0.1	0.1	12:30	0.2	0.2	-
12:31	0.1	0.1	12:31	0.2	0.2	-
12:32	0.1	0.1	12:32	0.2	0.2	-
12:33	0.1	0.1	12:33	0.2	0.2	-
12:34	0.1	0.1	12:34	0.2	0.2	-
12:35	0.1	0.1	12:35	0.2	0.2	-
12:36	0.1	0.1	12:36	0.2	0.2	-
12:37	0.1	0.1	12:37	0.2	0.2	-
12:38	0.1	0.1	12:38	0.2	0.2	-
12:39	0.1	0.1	12:39	0.2	0.2	-
12:40	0.1	0.1	12:40	0.2	0.2	-
12:41	0.1	0.1	12:41	0.2	0.2	-
12:42	0.1	0.1	12:42	0.2	0.2	-
12:43	0.1	0.1	12:43	0.2	0.2	-
12:44	0.1	0.1	12:44	0.2	0.2	-
12:45	0.1	0.1	12:45	0.2	0.2	-
12:46	0.1	0.1	12:46	0.2	0.2	-
12:47	0.1	0.1	12:47	0.2	0.2	-
12:48	0.1	0.1	12:48	0.2	0.2	-
12:49	0.1	0.1	12:49	0.2	0.2	-
12:50	0.1	0.1	12:50	0.2	0.2	-
12:51	0.1	0.1	12:51	0.2	0.2	-
12:52	0.1	0.1	12:52	0.2	0.2	-
12:53	0.1	0.1	12:53	0.2	0.2	-
12:54	0.1	0.1	12:54	0.2	0.2	-
12:55	0.1	0.1	12:55	0.2	0.2	-
12:56	0.1	0.1	12:56	0.2	0.2	-
12:57	0.1	0.1	12:57	0.2	0.2	-
12:58	0.1	0.1	12:58	0.2	0.2	-
12:59	0.1	0.1	12:59	0.2	0.2	-
13:00	0.2	0.1	13:00	0.2	0.2	-
13:01	0.1	0.1	13:01	0.2	0.2	-
13:02	0.1	0.1	13:02	0.2	0.2	-
13:03	0.1	0.1	13:03	0.2	0.2	-
13:04	0.1	0.1	13:04	0.2	0.2	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:05	0.1	0.1	13:05	0.2	0.2	-
13:06	0.1	0.1	13:06	0.2	0.2	-
13:07	0.1	0.1	13:07	0.2	0.2	-
13:08	0.1	0.1	13:08	0.2	0.2	-
13:09	0.1	0.1	13:09	0.2	0.2	-
13:10	0.1	0.1	13:10	0.2	0.2	-
13:11	0.1	0.1	13:11	0.2	0.2	-
13:12	0.1	0.1	13:12	0.2	0.2	-
13:13	0.1	0.1	13:13	0.2	0.2	-
13:14	0.2	0.1	13:14	0.2	0.2	-
13:15	0.2	0.1	13:15	0.2	0.2	-
13:16	0.1	0.1	13:16	0.2	0.2	-
13:17	0.1	0.1	13:17	0.2	0.2	-
13:18	0.1	0.1	13:18	0.2	0.2	-
13:19	0.1	0.1	13:19	0.2	0.2	-
13:20	0.1	0.1	13:20	0.2	0.2	-
13:21	0.1	0.1	13:21	0.2	0.2	-
13:22	0.1	0.1	13:22	0.2	0.2	-
13:23	0.1	0.1	13:23	0.2	0.2	-
13:24	0.1	0.1	13:24	0.2	0.2	-
13:25	0.1	0.1	13:25	0.2	0.2	-
13:26	0.1	0.1	13:26	0.2	0.2	-
13:27	0.1	0.1	13:27	0.2	0.2	-
13:28	0.1	0.1	13:28	0.2	0.2	-
13:29	0.1	0.1	13:29	0.2	0.2	-
13:30	0.1	0.1	13:30	0.2	0.2	-
13:31	0.1	0.1	13:31	0.2	0.2	-
13:32	0.1	0.1	13:32	0.2	0.2	-
13:33	0.1	0.1	13:33	0.2	0.2	-
13:34	0.1	0.1	13:34	0.2	0.2	-
13:35	0.1	0.1	13:35	0.2	0.2	-
13:36	0.1	0.1	13:36	0.2	0.2	-
13:37	0.1	0.1	13:37	0.2	0.2	-
13:38	0.1	0.1	13:38	0.2	0.2	-
13:39	0.1	0.1	13:39	0.2	0.2	-
13:40	0.1	0.1	13:40	0.2	0.2	-
13:41	0.1	0.1	13:41	0.2	0.2	-
13:42	0.1	0.1	13:42	0.2	0.2	-
13:43	0.1	0.1	13:43	0.2	0.2	-
13:44	0.1	0.1	13:44	0.2	0.2	-
13:45	0.1	0.1	13:45	0.2	0.2	-
13:46	0.1	0.1	13:46	0.2	0.2	-
13:47	0.1	0.1	13:47	0.2	0.2	-
13:48	0.1	0.1	13:48	0.2	0.2	-
13:49	0.1	0.1	13:49	0.2	0.2	-
13:50	0.1	0.1	13:50	0.2	0.2	-
13:51	0.1	0.1	13:51	0.2	0.2	-
13:52	0.1	0.1	13:52	0.2	0.2	-
13:53	0.1	0.1	13:53	0.2	0.2	-
13:54	0.1	0.1	13:54	0.2	0.2	-
13:55	0.1	0.1	13:55	0.2	0.2	-
13:56	0.1	0.1	13:56	0.2	0.2	-
13:57	0.1	0.1	13:57	0.2	0.2	-
13:58	0.1	0.1	13:58	0.2	0.2	-
13:59	0.1	0.1	13:59	0.2	0.2	-
14:00	0.1	0.1	14:00	0.2	0.2	-
14:01	0.1	0.1	14:01	0.2	0.2	-
14:02	0.1	0.1	14:02	0.2	0.2	-
14:03	0.1	0.1	14:03	0.2	0.2	-
14:04	0.1	0.1	14:04	0.2	0.2	-
14:05	0.1	0.1	14:05	0.2	0.2	-
14:06	0.1	0.1	14:06	0.2	0.2	-
14:07	0.1	0.1	14:07	0.2	0.2	-
14:08	0.1	0.1	14:08	0.2	0.2	-
14:09	0.1	0.1	14:09	0.2	0.2	-
14:10	0.1	0.1	14:10	0.2	0.2	-
14:11	0.1	0.1	14:11	0.2	0.2	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:12	0.1	0.1	14:12	0.2	0.2	-
14:13	0.1	0.1	14:13	0.2	0.2	-
14:14	0.1	0.1	14:14	0.2	0.2	-
14:15	0.1	0.1	14:15	0.2	0.2	-
14:16	0.1	0.1	14:16	0.2	0.2	-
14:17	0.1	0.1	14:17	0.2	0.2	-
14:18	0.1	0.1	14:18	0.2	0.2	-
14:19	0.1	0.1	14:19	0.2	0.2	-
14:20	0.1	0.1	14:20	0.2	0.2	-
14:21	0.1	0.1	14:21	0.2	0.2	-
14:22	0.1	0.1	14:22	0.2	0.2	-
14:23	0.1	0.1	14:23	0.2	0.2	-
14:24	0.1	0.1	14:24	0.2	0.2	-
14:25	0.1	0.1	14:25	0.2	0.2	-
14:26	0.1	0.1	14:26	0.2	0.2	-
14:27	0.1	0.1	14:27	0.2	0.2	-
14:28	0.1	0.1	14:28	0.2	0.2	-
14:29	0.1	0.1	14:29	0.2	0.2	-
14:30	0.1	0.1	14:30	0.2	0.2	-
14:31	0.1	0.1	14:31	0.2	0.2	-
14:32	0.1	0.1	14:32	0.2	0.2	-
14:33	0.1	0.1	14:33	0.2	0.2	-
14:34	0.1	0.1	14:34	0.2	0.2	-
14:35	0.1	0.1	14:35	0.2	0.2	-
14:36	0.1	0.1	14:36	0.2	0.2	-
14:37	0.1	0.1	14:37	0.2	0.2	-
14:38	0.1	0.1	14:38	0.2	0.2	-
14:39	0.1	0.1	14:39	0.2	0.2	-
14:40	0.1	0.1	14:40	0.2	0.2	-
14:41	0.1	0.1	14:41	0.2	0.2	-
14:42	0.1	0.1	14:42	0.2	0.2	-
14:43	0.1	0.1	14:43	0.2	0.2	-
14:44	0.1	0.1	14:44	0.2	0.2	-
14:45	0.1	0.1	14:45	0.2	0.2	-
14:46	0.1	0.1	14:46	0.2	0.2	-
14:47	0.1	0.1	14:47	0.2	0.2	-
14:48	0.1	0.1	14:48	0.2	0.2	-
14:49	0.1	0.1	14:49	0.2	0.2	-
14:50	0.1	0.1	14:50	0.2	0.2	-
14:51	0.1	0.1	14:51	0.2	0.2	-
14:52	0.1	0.1	14:52	0.2	0.2	-
14:53	0.1	0.1	14:53	0.2	0.2	-
14:54	0.1	0.1	14:54	0.2	0.2	-
14:55	0.1	0.1	14:55	0.2	0.2	-
14:56	0.1	0.1	14:56	0.2	0.2	-
14:57	0.1	0.1	14:57	0.2	0.2	-
14:58	0.1	0.1	14:58	0.2	0.2	-
14:59	0.1	0.1	14:59	0.2	0.2	-
15:00	0.1	0.1	15:00	0.2	0.2	-
15:01	0.1	0.1	15:01	0.2	0.2	-
15:02	0.1	0.1	15:02	0.2	0.2	-
15:03	0.1	0.1	15:03	0.2	0.2	-
15:04	0.1	0.1	15:04	0.2	0.2	-
15:05	0.0	0.1	15:05	0.2	0.2	-
15:06	0.1	0.1	15:06	0.2	0.2	-
15:07	0.1	0.1	15:07	0.2	0.2	-
15:08	0.1	0.1	15:08	0.2	0.2	-
15:09	0.1	0.1	15:09	0.2	0.2	-
15:10	0.1	0.1	15:10	0.2	0.2	-
15:11	0.1	0.1	15:11	0.2	0.2	-
15:12	0.1	0.1	15:12	0.2	0.2	-
15:13	0.1	0.1	15:13	0.2	0.2	-
15:14	0.1	0.1	15:14	0.2	0.2	-
15:15	0.1	0.1	15:15	0.2	0.2	-
15:16	0.1	0.1	15:16	0.2	0.2	-
15:17	0.1	0.1	15:17	0.2	0.2	-
15:18	0.1	0.1	15:18	0.2	0.2	-
15:19	0.1	0.1	15:19	0.2	0.2	-
15:20	0.1	0.1	15:20	0.2	0.2	-
15:21	0.1	0.1	15:21	0.2	0.2	-
15:22	0.1	0.1	15:22	0.2	0.2	-
15:23	0.1	0.1	15:23	0.2	0.2	-
15:24	0.1	0.1	15:24	0.2	0.2	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
15:25	0.1	0.1	15:25	0.2	0.2	-
15:26	0.0	0.1	15:26	0.2	0.2	-
15:27	0.1	0.1	15:27	0.2	0.2	-
15:28	0.1	0.1	15:28	0.2	0.2	-
15:29	0.1	0.1	15:29	0.2	0.2	-
15:30	0.1	0.1	15:30	0.2	0.2	-
15:31	0.1	0.1	15:31	0.2	0.2	-
15:32	0.1	0.1	15:32	0.2	0.2	-
15:33	0.1	0.1	15:33	0.2	0.2	-
15:34	0.1	0.1	15:34	0.2	0.2	-
15:35	0.1	0.1	15:35	0.2	0.2	-
15:36	0.1	0.1	15:36	0.2	0.2	-
15:37	0.0	0.1	15:37	0.2	0.2	-
15:38	0.1	0.1	15:38	0.2	0.2	-
15:39	0.1	0.1	15:39	0.2	0.2	-
15:40	0.1	0.1	15:40	0.2	0.2	-
15:41	0.1	0.1	15:41	0.2	0.2	-
15:42	0.1	0.1	15:42	0.2	0.2	-
15:43	0.1	0.1	15:43	0.2	0.2	-
15:44	0.1	0.1	15:44	0.2	0.2	-
15:45	0.1	0.1	15:45	0.2	0.2	-

LANGAN

459 Smith Street
170420201
CAMP Data Summary

Date: 12/16/2021
Observer: Andrew Nesci

Particulate Monitoring			
		Upwind	**Downwind**
Minimum 15min Average		0.013	0.016
Maximum 15min Average		0.022	0.023
High Intervals "exceedances" (15min > 1.5 + Upwind level)		N/A	No
Minimum 1min Reading		0.012	0.012
Maximum 1min Reading		0.051	0.088

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.0	0.0
Maximum 15min Average	0.2	0.2
High Intervals "exceedances" (15min > 5 + Upwind level)	N/A	No
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.2	0.2

All reported particulate concentrations are in mg/m3 or milligrams per cubic meter and all reported organic vapor concentrations are in ppm or parts per million, unless specified otherwise.

December 16, 2021						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						495
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
7:13	0.015		7:13	0.088		
7:14	0.014		7:14	0.017		
7:15	0.020		7:15	0.017		
7:16	0.018		7:16	0.016		
7:17	0.015		7:17	0.017		
7:18	0.014		7:18	0.017		
7:19	0.016		7:19	0.018		
7:20	0.018		7:20	0.016		
7:21	0.016		7:21	0.015		
7:22	0.017		7:22	0.017		
7:23	0.023		7:23	0.017		
7:24	0.019		7:24	0.016		
7:25	0.017		7:25	0.017		
7:26	0.015		7:26	0.016		
7:27	0.016	0.017	7:27	0.016		
7:28	0.018	0.017	7:28	0.016		
7:29	0.014	0.017	7:29	0.016		
7:30	0.016	0.017	7:30	0.016	0.016	-
7:31	0.015	0.017	7:31	0.016	0.016	-
7:32	0.017	0.017	7:32	0.015	0.016	-
7:33	0.016	0.017	7:33	0.017	0.016	-
7:34	0.015	0.017	7:34	0.017	0.016	-
7:35	0.016	0.017	7:35	0.018	0.016	-
7:36	0.019	0.017	7:36	0.019	0.017	-
7:37	0.017	0.017	7:37	0.018	0.017	-
7:38	0.019	0.017	7:38	0.017	0.017	-
7:39	0.017	0.016	7:39	0.015	0.017	-
7:40	0.017	0.016	7:40	0.015	0.016	-
7:41	0.017	0.017	7:41	0.016	0.016	-
7:42	0.014	0.016	7:42	0.017	0.017	-
7:43	0.017	0.016	7:43	0.017	0.017	-
7:44	0.015	0.016	7:44	0.016	0.017	-
7:45	0.020	0.017	7:45	0.018	0.017	-
7:46	0.019	0.017	7:46	0.019	0.017	-
7:47	0.020	0.017	7:47	0.017	0.017	-
7:48	0.020	0.017	7:48	0.017	0.017	-
7:49	0.018	0.018	7:49	0.017	0.017	-
7:50	0.016	0.018	7:50	0.016	0.017	-
7:51	0.016	0.017	7:51	0.016	0.017	-
7:52	0.015	0.017	7:52	0.016	0.017	-
7:53	0.016	0.017	7:53	0.016	0.017	-
7:54	0.017	0.017	7:54	0.016	0.017	-
7:55	0.015	0.017	7:55	0.017	0.017	-
7:56	0.015	0.017	7:56	0.020	0.017	-
7:57	0.017	0.017	7:57	0.017	0.017	-
7:58	0.021	0.017	7:58	0.016	0.017	-
7:59	0.021	0.018	7:59	0.017	0.017	-
8:00	0.017	0.018	8:00	0.016	0.017	-
8:01	0.016	0.017	8:01	0.015	0.017	-
8:02	0.015	0.017	8:02	0.016	0.017	-
8:03	0.017	0.017	8:03	0.016	0.016	-
8:04	0.015	0.017	8:04	0.016	0.016	-
8:05	0.014	0.016	8:05	0.017	0.016	-
8:06	0.017	0.017	8:06	0.016	0.016	-
8:07	0.016	0.017	8:07	0.015	0.016	-
8:08	0.016	0.017	8:08	0.015	0.016	-
8:09	0.015	0.016	8:09	0.015	0.016	-
8:10	0.016	0.017	8:10	0.015	0.016	-
8:11	0.016	0.017	8:11	0.016	0.016	-
8:12	0.016	0.017	8:12	0.016	0.016	-
8:13	0.017	0.016	8:13	0.017	0.016	-
8:14	0.018	0.016	8:14	0.016	0.016	-
8:15	0.017	0.016	8:15	0.016	0.016	-
8:16	0.018	0.016	8:16	0.016	0.016	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
8:17	0.017	0.016	8:17	0.017	0.016	-
8:18	0.017	0.016	8:18	0.017	0.016	-
8:19	0.016	0.016	8:19	0.016	0.016	-
8:20	0.016	0.017	8:20	0.016	0.016	-
8:21	0.017	0.017	8:21	0.017	0.016	-
8:22	0.018	0.017	8:22	0.017	0.016	-
8:23	0.016	0.017	8:23	0.017	0.016	-
8:24	0.016	0.017	8:24	0.017	0.016	-
8:25	0.016	0.017	8:25	0.017	0.017	-
8:26	0.018	0.017	8:26	0.017	0.017	-
8:27	0.017	0.017	8:27	0.017	0.017	-
8:28	0.016	0.017	8:28	0.016	0.017	-
8:29	0.016	0.017	8:29	0.016	0.017	-
8:30	0.019	0.017	8:30	0.016	0.017	-
8:31	0.017	0.017	8:31	0.016	0.017	-
8:32	0.019	0.017	8:32	0.017	0.017	-
8:33	0.023	0.017	8:33	0.017	0.017	-
8:34	0.017	0.017	8:34	0.018	0.017	-
8:35	0.017	0.017	8:35	0.017	0.017	-
8:36	0.015	0.017	8:36	0.016	0.017	-
8:37	0.015	0.017	8:37	0.016	0.017	-
8:38	0.016	0.017	8:38	0.017	0.017	-
8:39	0.016	0.017	8:39	0.016	0.017	-
8:40	0.019	0.017	8:40	0.016	0.017	-
8:41	0.021	0.018	8:41	0.016	0.016	-
8:42	0.018	0.018	8:42	0.015	0.016	-
8:43	0.017	0.018	8:43	0.016	0.016	-
8:44	0.016	0.018	8:44	0.015	0.016	-
8:45	0.015	0.017	8:45	0.016	0.016	-
8:46	0.015	0.017	8:46	0.016	0.016	-
8:47	0.019	0.017	8:47	0.016	0.016	-
8:48	0.020	0.017	8:48	0.017	0.016	-
8:49	0.019	0.017	8:49	0.015	0.016	-
8:50	0.017	0.017	8:50	0.016	0.016	-
8:51	0.017	0.017	8:51	0.017	0.016	-
8:52	0.017	0.017	8:52	0.017	0.016	-
8:53	0.017	0.018	8:53	0.017	0.016	-
8:54	0.017	0.018	8:54	0.018	0.016	-
8:55	0.017	0.017	8:55	0.017	0.016	-
8:56	0.017	0.017	8:56	0.017	0.016	-
8:57	0.016	0.017	8:57	0.017	0.016	-
8:58	0.015	0.017	8:58	0.017	0.017	-
8:59	0.016	0.017	8:59	0.016	0.017	-
9:00	0.019	0.017	9:00	0.016	0.017	-
9:01	0.018	0.017	9:01	0.016	0.017	-
9:02	0.020	0.017	9:02	0.017	0.017	-
9:03	0.017	0.017	9:03	0.016	0.017	-
9:04	0.017	0.017	9:04	0.015	0.017	-
9:05	0.017	0.017	9:05	0.015	0.017	-
9:06	0.017	0.017	9:06	0.016	0.016	-
9:07	0.017	0.017	9:07	0.016	0.016	-
9:08	0.018	0.017	9:08	0.016	0.016	-
9:09	0.017	0.017	9:09	0.017	0.016	-
9:10	0.016	0.017	9:10	0.016	0.016	-
9:11	0.016	0.017	9:11	0.015	0.016	-
9:12	0.016	0.017	9:12	0.016	0.016	-
9:13	0.017	0.017	9:13	0.015	0.016	-
9:14	0.021	0.018	9:14	0.015	0.016	-
9:15	0.023	0.018	9:15	0.015	0.016	-
9:16	0.020	0.018	9:16	0.015	0.016	-
9:17	0.016	0.018	9:17	0.016	0.016	-
9:18	0.016	0.018	9:18	0.015	0.016	-
9:19	0.015	0.017	9:19	0.015	0.016	-
9:20	0.015	0.017	9:20	0.015	0.016	-
9:21	0.017	0.017	9:21	0.016	0.016	-
9:22	0.014	0.017	9:22	0.016	0.016	-
9:23	0.014	0.017	9:23	0.014	0.015	-
9:24	0.015	0.017	9:24	0.017	0.015	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
9:25	0.015	0.017	9:25	0.015	0.015	-
9:26	0.015	0.017	9:26	0.015	0.015	-
9:27	0.016	0.017	9:27	0.015	0.015	-
9:28	0.016	0.017	9:28	0.015	0.015	-
9:29	0.014	0.016	9:29	0.016	0.015	-
9:30	0.020	0.016	9:30	0.017	0.015	-
9:31	0.020	0.016	9:31	0.015	0.015	-
9:32	0.014	0.016	9:32	0.016	0.015	-
9:33	0.014	0.016	9:33	0.014	0.015	-
9:34	0.014	0.016	9:34	0.014	0.015	-
9:35	0.014	0.015	9:35	0.015	0.015	-
9:36	0.030	0.016	9:36	0.016	0.015	-
9:37	0.023	0.017	9:37	0.017	0.015	-
9:38	0.014	0.017	9:38	0.017	0.016	-
9:39	0.014	0.017	9:39	0.014	0.015	-
9:40	0.013	0.017	9:40	0.013	0.015	-
9:41	0.014	0.017	9:41	0.014	0.015	-
9:42	0.013	0.016	9:42	0.014	0.015	-
9:43	0.014	0.016	9:43	0.014	0.015	-
9:44	0.014	0.016	9:44	0.016	0.015	-
9:45	0.017	0.016	9:45	0.014	0.015	-
9:46	0.013	0.016	9:46	0.014	0.015	-
9:47	0.013	0.016	9:47	0.013	0.015	-
9:48	0.013	0.016	9:48	0.013	0.015	-
9:49	0.014	0.016	9:49	0.013	0.014	-
9:50	0.013	0.015	9:50	0.012	0.014	-
9:51	0.013	0.014	9:51	0.013	0.014	-
9:52	0.013	0.014	9:52	0.014	0.014	-
9:53	0.013	0.014	9:53	0.013	0.014	-
9:54	0.014	0.014	9:54	0.014	0.014	-
9:55	0.016	0.014	9:55	0.014	0.014	-
9:56	0.015	0.014	9:56	0.014	0.014	-
9:57	0.013	0.014	9:57	0.014	0.014	-
9:58	0.013	0.014	9:58	0.014	0.014	-
9:59	0.017	0.014	9:59	0.016	0.014	-
10:00	0.017	0.014	10:00	0.014	0.014	-
10:01	0.014	0.014	10:01	0.014	0.014	-
10:02	0.014	0.014	10:02	0.015	0.014	-
10:03	0.013	0.014	10:03	0.014	0.014	-
10:04	0.013	0.014	10:04	0.016	0.014	-
10:05	0.012	0.014	10:05	0.013	0.014	-
10:06	0.012	0.014	10:06	0.013	0.014	-
10:07	0.012	0.014	10:07	0.013	0.014	-
10:08	0.013	0.014	10:08	0.013	0.014	-
10:09	0.012	0.014	10:09	0.013	0.014	-
10:10	0.013	0.014	10:10	0.014	0.014	-
10:11	0.012	0.013	10:11	0.013	0.014	-
10:12	0.012	0.013	10:12	0.014	0.014	-
10:13	0.012	0.013	10:13	0.014	0.014	-
10:14	0.015	0.013	10:14	0.014	0.014	-
10:15	0.013	0.013	10:15	0.015	0.014	-
10:16	0.012	0.013	10:16	0.013	0.014	-
10:17	0.012	0.013	10:17	0.013	0.014	-
10:18	0.013	0.013	10:18	0.014	0.014	-
10:19	0.013	0.013	10:19	0.014	0.014	-
10:20	0.014	0.013	10:20	0.013	0.014	-
10:21	0.013	0.013	10:21	0.014	0.014	-
10:22	0.013	0.013	10:22	0.013	0.014	-
10:23	0.013	0.013	10:23	0.013	0.014	-
10:24	0.013	0.013	10:24	0.014	0.014	-
10:25	0.013	0.013	10:25	0.016	0.014	-
10:26	0.019	0.013	10:26	0.025	0.015	-
10:27	0.013	0.013	10:27	0.026	0.015	-
10:28	0.014	0.014	10:28	0.034	0.017	-
10:29	0.013	0.013	10:29	0.034	0.018	-
10:30	0.014	0.013	10:30	0.021	0.018	-
10:31	0.013	0.014	10:31	0.016	0.019	-
10:32	0.014	0.014	10:32	0.017	0.019	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
10:33	0.013	0.014	10:33	0.017	0.019	-
10:34	0.013	0.014	10:34	0.016	0.019	-
10:35	0.013	0.014	10:35	0.021	0.020	-
10:36	0.017	0.014	10:36	0.026	0.021	-
10:37	0.015	0.014	10:37	0.024	0.021	-
10:38	0.018	0.014	10:38	0.015	0.021	-
10:39	0.017	0.015	10:39	0.023	0.022	-
10:40	0.015	0.015	10:40	0.017	0.022	-
10:41	0.015	0.014	10:41	0.025	0.022	-
10:42	0.015	0.015	10:42	0.019	0.022	-
10:43	0.014	0.015	10:43	0.026	0.021	-
10:44	0.015	0.015	10:44	0.019	0.020	-
10:45	0.014	0.015	10:45	0.015	0.020	-
10:46	0.013	0.015	10:46	0.015	0.020	-
10:47	0.013	0.015	10:47	0.014	0.019	-
10:48	0.013	0.015	10:48	0.015	0.019	-
10:49	0.014	0.015	10:49	0.015	0.019	-
10:50	0.016	0.015	10:50	0.015	0.019	-
10:51	0.017	0.015	10:51	0.014	0.018	-
10:52	0.019	0.015	10:52	0.020	0.018	-
10:53	0.018	0.015	10:53	0.036	0.019	-
10:54	0.014	0.015	10:54	0.034	0.020	-
10:55	0.017	0.015	10:55	0.029	0.021	-
10:56	0.016	0.015	10:56	0.019	0.020	-
10:57	0.016	0.015	10:57	0.016	0.020	-
10:58	0.013	0.015	10:58	0.017	0.020	-
10:59	0.013	0.015	10:59	0.020	0.020	-
11:00	0.014	0.015	11:00	0.018	0.020	-
11:01	0.013	0.015	11:01	0.030	0.021	-
11:02	0.013	0.015	11:02	0.027	0.022	-
11:03	0.015	0.015	11:03	0.022	0.022	-
11:04	0.014	0.015	11:04	0.015	0.022	-
11:05	0.014	0.015	11:05	0.015	0.022	-
11:06	0.014	0.015	11:06	0.020	0.023	-
11:07	0.016	0.015	11:07	0.021	0.023	-
11:08	0.016	0.015	11:08	0.019	0.021	-
11:09	0.021	0.015	11:09	0.019	0.020	-
11:10	0.015	0.015	11:10	0.020	0.020	-
11:11	0.015	0.015	11:11	0.031	0.021	-
11:12	0.014	0.015	11:12	0.019	0.021	-
11:13	0.014	0.015	11:13	0.017	0.021	-
11:14	0.014	0.015	11:14	0.023	0.021	-
11:15	0.013	0.015	11:15	0.023	0.021	-
11:16	0.014	0.015	11:16	0.019	0.021	-
11:17	0.013	0.015	11:17	0.020	0.020	-
11:18	0.014	0.015	11:18	0.015	0.020	-
11:19	0.014	0.015	11:19	0.015	0.020	-
11:20	0.015	0.015	11:20	0.017	0.020	-
11:21	0.015	0.015	11:21	0.021	0.020	-
11:22	0.014	0.015	11:22	0.018	0.020	-
11:23	0.014	0.015	11:23	0.021	0.020	-
11:24	0.015	0.014	11:24	0.025	0.020	-
11:25	0.016	0.014	11:25	0.017	0.020	-
11:26	0.016	0.014	11:26	0.015	0.019	-
11:27	0.014	0.014	11:27	0.015	0.019	-
11:28	0.014	0.014	11:28	0.018	0.019	-
11:29	0.012	0.014	11:29	0.016	0.018	-
11:30	0.013	0.014	11:30	0.015	0.018	-
11:31	0.013	0.014	11:31	0.015	0.018	-
11:32	0.014	0.014	11:32	0.014	0.017	-
11:33	0.013	0.014	11:33	0.016	0.017	-
11:34	0.015	0.014	11:34	0.014	0.017	-
11:35	0.014	0.014	11:35	0.017	0.017	-
11:36	0.014	0.014	11:36	0.018	0.017	-
11:37	0.015	0.014	11:37	0.017	0.017	-
11:38	0.015	0.014	11:38	0.016	0.017	-
11:39	0.014	0.014	11:39	0.017	0.016	-
11:40	0.022	0.015	11:40	0.017	0.016	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
11:41	0.020	0.015	11:41	0.025	0.017	-
11:42	0.018	0.015	11:42	0.024	0.017	-
11:43	0.015	0.015	11:43	0.017	0.017	-
11:44	0.015	0.015	11:44	0.024	0.018	-
11:45	0.016	0.016	11:45	0.027	0.019	-
11:46	0.014	0.016	11:46	0.016	0.019	-
11:47	0.013	0.016	11:47	0.016	0.019	-
11:48	0.014	0.016	11:48	0.015	0.019	-
11:49	0.014	0.016	11:49	0.014	0.019	-
11:50	0.014	0.016	11:50	0.014	0.018	-
11:51	0.013	0.015	11:51	0.015	0.018	-
11:52	0.013	0.015	11:52	0.015	0.018	-
11:53	0.015	0.015	11:53	0.016	0.018	-
11:54	0.014	0.015	11:54	0.016	0.018	-
11:55	0.015	0.015	11:55	0.016	0.018	-
11:56	0.015	0.015	11:56	0.022	0.018	-
11:57	0.017	0.014	11:57	0.018	0.017	-
11:58	0.015	0.014	11:58	0.017	0.017	-
11:59	0.014	0.014	11:59	0.015	0.017	-
12:00	0.014	0.014	12:00	0.015	0.016	-
12:01	0.014	0.014	12:01	0.015	0.016	-
12:02	0.014	0.014	12:02	0.015	0.016	-
12:03	0.013	0.014	12:03	0.018	0.016	-
12:04	0.014	0.014	12:04	0.018	0.016	-
12:05	0.013	0.014	12:05	0.016	0.016	-
12:06	0.014	0.014	12:06	0.015	0.016	-
12:07	0.015	0.014	12:07	0.017	0.017	-
12:08	0.013	0.014	12:08	0.016	0.017	-
12:09	0.013	0.014	12:09	0.016	0.017	-
12:10	0.014	0.014	12:10	0.015	0.017	-
12:11	0.014	0.014	12:11	0.015	0.016	-
12:12	0.013	0.014	12:12	0.015	0.016	-
12:13	0.013	0.014	12:13	0.015	0.016	-
12:14	0.013	0.014	12:14	0.015	0.016	-
12:15	0.013	0.014	12:15	0.015	0.016	-
12:16	0.015	0.014	12:16	0.014	0.016	-
12:17	0.015	0.014	12:17	0.014	0.016	-
12:18	0.013	0.014	12:18	0.014	0.015	-
12:19	0.013	0.014	12:19	0.013	0.015	-
12:20	0.013	0.014	12:20	0.013	0.015	-
12:21	0.013	0.014	12:21	0.014	0.015	-
12:22	0.017	0.014	12:22	0.015	0.015	-
12:23	0.015	0.014	12:23	0.015	0.015	-
12:24	0.014	0.014	12:24	0.015	0.014	-
12:25	0.014	0.014	12:25	0.015	0.014	-
12:26	0.017	0.014	12:26	0.014	0.014	-
12:27	0.014	0.014	12:27	0.014	0.014	-
12:28	0.015	0.014	12:28	0.015	0.014	-
12:29	0.014	0.014	12:29	0.015	0.014	-
12:30	0.014	0.014	12:30	0.015	0.014	-
12:31	0.014	0.014	12:31	0.017	0.015	-
12:32	0.014	0.014	12:32	0.018	0.015	-
12:33	0.014	0.014	12:33	0.018	0.015	-
12:34	0.015	0.014	12:34	0.020	0.016	-
12:35	0.016	0.015	12:35	0.017	0.016	-
12:36	0.016	0.015	12:36	0.018	0.016	-
12:37	0.016	0.015	12:37	0.018	0.016	-
12:38	0.015	0.015	12:38	0.017	0.016	-
12:39	0.017	0.015	12:39	0.016	0.016	-
12:40	0.015	0.015	12:40	0.016	0.017	-
12:41	0.015	0.015	12:41	0.019	0.017	-
12:42	0.014	0.015	12:42	0.015	0.017	-
12:43	0.014	0.015	12:43	0.015	0.017	-
12:44	0.013	0.015	12:44	0.015	0.017	-
12:45	0.013	0.015	12:45	0.015	0.017	-
12:46	0.014	0.015	12:46	0.015	0.017	-
12:47	0.014	0.015	12:47	0.014	0.017	-
12:48	0.014	0.015	12:48	0.016	0.016	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
12:49	0.014	0.015	12:49	0.015	0.016	-
12:50	0.013	0.014	12:50	0.015	0.016	-
12:51	0.013	0.014	12:51	0.016	0.016	-
12:52	0.014	0.014	12:52	0.015	0.016	-
12:53	0.017	0.014	12:53	0.020	0.016	-
12:54	0.018	0.014	12:54	0.019	0.016	-
12:55	0.015	0.014	12:55	0.015	0.016	-
12:56	0.015	0.014	12:56	0.014	0.016	-
12:57	0.015	0.014	12:57	0.015	0.016	-
12:58	0.017	0.015	12:58	0.015	0.016	-
12:59	0.015	0.015	12:59	0.015	0.016	-
13:00	0.015	0.015	13:00	0.015	0.016	-
13:01	0.015	0.015	13:01	0.015	0.016	-
13:02	0.024	0.016	13:02	0.016	0.016	-
13:03	0.018	0.016	13:03	0.016	0.016	-
13:04	0.015	0.016	13:04	0.015	0.016	-
13:05	0.016	0.016	13:05	0.015	0.016	-
13:06	0.028	0.017	13:06	0.015	0.016	-
13:07	0.020	0.018	13:07	0.014	0.016	-
13:08	0.016	0.017	13:08	0.014	0.015	-
13:09	0.015	0.017	13:09	0.014	0.015	-
13:10	0.014	0.017	13:10	0.015	0.015	-
13:11	0.014	0.017	13:11	0.015	0.015	-
13:12	0.014	0.017	13:12	0.015	0.015	-
13:13	0.014	0.017	13:13	0.015	0.015	-
13:14	0.014	0.017	13:14	0.015	0.015	-
13:15	0.014	0.017	13:15	0.015	0.015	-
13:16	0.016	0.017	13:16	0.015	0.015	-
13:17	0.016	0.016	13:17	0.015	0.015	-
13:18	0.015	0.016	13:18	0.015	0.015	-
13:19	0.015	0.016	13:19	0.015	0.015	-
13:20	0.015	0.016	13:20	0.016	0.015	-
13:21	0.015	0.015	13:21	0.015	0.015	-
13:22	0.016	0.015	13:22	0.015	0.015	-
13:23	0.016	0.015	13:23	0.015	0.015	-
13:24	0.015	0.015	13:24	0.015	0.015	-
13:25	0.016	0.015	13:25	0.015	0.015	-
13:26	0.015	0.015	13:26	0.014	0.015	-
13:27	0.016	0.015	13:27	0.015	0.015	-
13:28	0.014	0.015	13:28	0.015	0.015	-
13:29	0.016	0.015	13:29	0.014	0.015	-
13:30	0.014	0.015	13:30	0.015	0.015	-
13:31	0.015	0.015	13:31	0.016	0.015	-
13:32	0.014	0.015	13:32	0.016	0.015	-
13:33	0.014	0.015	13:33	0.017	0.015	-
13:34	0.015	0.015	13:34	0.016	0.015	-
13:35	0.015	0.015	13:35	0.016	0.015	-
13:36	0.019	0.015	13:36	0.016	0.015	-
13:37	0.017	0.015	13:37	0.016	0.015	-
13:38	0.015	0.015	13:38	0.016	0.015	-
13:39	0.016	0.015	13:39	0.017	0.016	-
13:40	0.018	0.016	13:40	0.017	0.016	-
13:41	0.018	0.016	13:41	0.017	0.016	-
13:42	0.017	0.016	13:42	0.017	0.016	-
13:43	0.016	0.016	13:43	0.016	0.016	-
13:44	0.016	0.016	13:44	0.018	0.016	-
13:45	0.016	0.016	13:45	0.015	0.016	-
13:46	0.015	0.016	13:46	0.013	0.016	-
13:47	0.015	0.016	13:47	0.015	0.016	-
13:48	0.015	0.016	13:48	0.016	0.016	-
13:49	0.014	0.016	13:49	0.018	0.016	-
13:50	0.013	0.016	13:50	0.016	0.016	-
13:51	0.014	0.016	13:51	0.015	0.016	-
13:52	0.014	0.015	13:52	0.015	0.016	-
13:53	0.016	0.016	13:53	0.014	0.016	-
13:54	0.015	0.015	13:54	0.015	0.016	-
13:55	0.014	0.015	13:55	0.016	0.016	-
13:56	0.014	0.015	13:56	0.021	0.016	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
13:57	0.014	0.015	13:57	0.017	0.016	-
13:58	0.015	0.015	13:58	0.018	0.016	-
13:59	0.015	0.015	13:59	0.015	0.016	-
14:00	0.015	0.015	14:00	0.016	0.016	-
14:01	0.016	0.015	14:01	0.018	0.016	-
14:02	0.014	0.015	14:02	0.015	0.016	-
14:03	0.013	0.014	14:03	0.015	0.016	-
14:04	0.014	0.014	14:04	0.014	0.016	-
14:05	0.013	0.014	14:05	0.014	0.016	-
14:06	0.013	0.014	14:06	0.015	0.016	-
14:07	0.013	0.014	14:07	0.015	0.016	-
14:08	0.014	0.014	14:08	0.018	0.016	-
14:09	0.013	0.014	14:09	0.017	0.016	-
14:10	0.015	0.014	14:10	0.016	0.016	-
14:11	0.014	0.014	14:11	0.016	0.016	-
14:12	0.015	0.014	14:12	0.017	0.016	-
14:13	0.013	0.014	14:13	0.016	0.016	-
14:14	0.012	0.014	14:14	0.015	0.016	-
14:15	0.012	0.014	14:15	0.019	0.016	-
14:16	0.013	0.013	14:16	0.020	0.016	-
14:17	0.013	0.013	14:17	0.021	0.017	-
14:18	0.018	0.014	14:18	0.014	0.016	-
14:19	0.013	0.014	14:19	0.014	0.016	-
14:20	0.014	0.014	14:20	0.013	0.016	-
14:21	0.014	0.014	14:21	0.014	0.016	-
14:22	0.014	0.014	14:22	0.018	0.017	-
14:23	0.017	0.014	14:23	0.016	0.016	-
14:24	0.014	0.014	14:24	0.016	0.016	-
14:25	0.014	0.014	14:25	0.017	0.016	-
14:26	0.014	0.014	14:26	0.016	0.016	-
14:27	0.014	0.014	14:27	0.015	0.016	-
14:28	0.015	0.014	14:28	0.015	0.016	-
14:29	0.015	0.014	14:29	0.015	0.016	-
14:30	0.014	0.014	14:30	0.014	0.016	-
14:31	0.016	0.015	14:31	0.013	0.015	-
14:32	0.016	0.015	14:32	0.014	0.015	-
14:33	0.017	0.015	14:33	0.014	0.015	-
14:34	0.015	0.015	14:34	0.015	0.015	-
14:35	0.015	0.015	14:35	0.014	0.015	-
14:36	0.015	0.015	14:36	0.015	0.015	-
14:37	0.017	0.015	14:37	0.015	0.015	-
14:38	0.018	0.015	14:38	0.015	0.015	-
14:39	0.018	0.016	14:39	0.014	0.015	-
14:40	0.016	0.016	14:40	0.016	0.015	-
14:41	0.017	0.016	14:41	0.015	0.015	-
14:42	0.017	0.016	14:42	0.014	0.015	-
14:43	0.018	0.016	14:43	0.014	0.014	-
14:44	0.016	0.016	14:44	0.014	0.014	-
14:45	0.016	0.016	14:45	0.015	0.014	-
14:46	0.022	0.017	14:46	0.014	0.015	-
14:47	0.017	0.017	14:47	0.015	0.015	-
14:48	0.016	0.017	14:48	0.016	0.015	-
14:49	0.015	0.017	14:49	0.019	0.015	-
14:50	0.016	0.017	14:50	0.020	0.015	-
14:51	0.016	0.017	14:51	0.018	0.016	-
14:52	0.015	0.017	14:52	0.017	0.016	-
14:53	0.016	0.017	14:53	0.017	0.016	-
14:54	0.016	0.017	14:54	0.016	0.016	-
14:55	0.015	0.017	14:55	0.016	0.016	-
14:56	0.014	0.016	14:56	0.016	0.016	-
14:57	0.014	0.016	14:57	0.015	0.016	-
14:58	0.014	0.016	14:58	0.014	0.016	-
14:59	0.014	0.016	14:59	0.013	0.016	-
15:00	0.013	0.016	15:00	0.014	0.016	-
15:01	0.014	0.015	15:01	0.014	0.016	-
15:02	0.013	0.015	15:02	0.014	0.016	-
15:03	0.014	0.015	15:03	0.014	0.016	-
15:04	0.013	0.014	15:04	0.013	0.015	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
15:05	0.014	0.014	15:05	0.013	0.015	-
15:06	0.014	0.014	15:06	0.013	0.015	-
15:07	0.014	0.014	15:07	0.014	0.014	-
15:08	0.017	0.014	15:08	0.014	0.014	-
15:09	0.020	0.014	15:09	0.013	0.014	-
15:10	0.020	0.015	15:10	0.013	0.014	-
15:11	0.018	0.015	15:11	0.014	0.014	-
15:12	0.017	0.015	15:12	0.015	0.014	-
15:13	0.016	0.015	15:13	0.015	0.014	-
15:14	0.015	0.015	15:14	0.016	0.014	-
15:15	0.015	0.016	15:15	0.016	0.014	-
15:16	0.014	0.016	15:16	0.017	0.014	-
15:17	0.014	0.016	15:17	0.017	0.014	-
15:18	0.015	0.016	15:18	0.017	0.015	-
15:19	0.019	0.016	15:19	0.016	0.015	-
15:20	0.020	0.017	15:20	0.016	0.015	-
15:21	0.028	0.017	15:21	0.017	0.015	-
15:22	0.019	0.018	15:22	0.021	0.016	-
15:23	0.051	0.020	15:23	0.021	0.016	-
15:24	0.025	0.020	15:24	0.019	0.017	-
15:25	0.017	0.020	15:25	0.018	0.017	-
15:26	0.018	0.020	15:26	0.017	0.017	-
15:27	0.016	0.020	15:27	0.018	0.017	-
15:28	0.019	0.020	15:28	0.017	0.018	-
15:29	0.015	0.020	15:29	0.017	0.018	-
15:30	0.020	0.021	15:30	0.017	0.018	-
15:31	0.020	0.021	15:31	0.017	0.018	-
15:32	0.022	0.022	15:32	0.016	0.018	-
15:33	0.017	0.022	15:33	0.015	0.017	-
15:34	0.016	0.022	15:34	0.015	0.017	-
15:35	0.015	0.021	15:35	0.016	0.017	-
15:36	0.016	0.020	15:36	0.016	0.017	-
15:37	0.020	0.020	15:37	0.016	0.017	-
15:38	0.018	0.018	15:38	0.016	0.017	-
15:39	0.016	0.018	15:39	0.016	0.016	-
15:40	0.016	0.018	15:40	0.016	0.016	-
15:41	0.016	0.017	15:41	0.015	0.016	-
15:42	0.014	0.017	15:42	0.015	0.016	-
15:43	0.014	0.017	15:43	0.015	0.016	-
15:44	0.013	0.017	15:44	0.015	0.016	-

December 16, 2021						
Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =						0
Number of Comparable Data Points =						498
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
7:20	0.0		7:20	0.0		
7:21	0.0		7:21	0.0		
7:22	0.0		7:22	0.0		
7:23	0.0		7:23	0.0		
7:24	0.0		7:24	0.0		
7:25	0.0		7:25	0.0		
7:26	0.0		7:26	0.0		
7:27	0.0		7:27	0.0		
7:28	0.0		7:28	0.0		
7:29	0.0		7:29	0.0		
7:30	0.0		7:30	0.0		
7:31	0.0		7:31	0.0		
7:32	0.0		7:32	0.0		
7:33	0.0		7:33	0.0		
7:34	0.0	0.0	7:34	0.0	0.0	-
7:35	0.0	0.0	7:35	0.0	0.0	-
7:36	0.0	0.0	7:36	0.0	0.0	-
7:37	0.0	0.0	7:37	0.0	0.0	-
7:38	0.0	0.0	7:38	0.0	0.0	-
7:39	0.0	0.0	7:39	0.0	0.0	-
7:40	0.0	0.0	7:40	0.0	0.0	-
7:41	0.0	0.0	7:41	0.0	0.0	-
7:42	0.0	0.0	7:42	0.0	0.0	-
7:43	0.0	0.0	7:43	0.0	0.0	-
7:44	0.0	0.0	7:44	0.0	0.0	-
7:45	0.0	0.0	7:45	0.0	0.0	-
7:46	0.0	0.0	7:46	0.0	0.0	-
7:47	0.0	0.0	7:47	0.0	0.0	-
7:48	0.0	0.0	7:48	0.0	0.0	-
7:49	0.0	0.0	7:49	0.0	0.0	-
7:50	0.0	0.0	7:50	0.0	0.0	-
7:51	0.0	0.0	7:51	0.0	0.0	-
7:52	0.0	0.0	7:52	0.0	0.0	-
7:53	0.0	0.0	7:53	0.0	0.0	-
7:54	0.0	0.0	7:54	0.0	0.0	-
7:55	0.0	0.0	7:55	0.0	0.0	-
7:56	0.0	0.0	7:56	0.0	0.0	-
7:57	0.0	0.0	7:57	0.0	0.0	-
7:58	0.0	0.0	7:58	0.0	0.0	-
7:59	0.0	0.0	7:59	0.0	0.0	-
8:00	0.0	0.0	8:00	0.0	0.0	-
8:01	0.0	0.0	8:01	0.0	0.0	-
8:02	0.0	0.0	8:02	0.0	0.0	-
8:03	0.0	0.0	8:03	0.0	0.0	-
8:04	0.0	0.0	8:04	0.0	0.0	-
8:05	0.0	0.0	8:05	0.0	0.0	-
8:06	0.0	0.0	8:06	0.0	0.0	-
8:07	0.0	0.0	8:07	0.0	0.0	-
8:08	0.0	0.0	8:08	0.0	0.0	-
8:09	0.0	0.0	8:09	0.0	0.0	-
8:10	0.0	0.0	8:10	0.0	0.0	-
8:11	0.0	0.0	8:11	0.0	0.0	-
8:12	0.0	0.0	8:12	0.0	0.0	-
8:13	0.0	0.0	8:13	0.0	0.0	-
8:14	0.0	0.0	8:14	0.0	0.0	-
8:15	0.0	0.0	8:15	0.0	0.0	-
8:16	0.0	0.0	8:16	0.0	0.0	-
8:17	0.0	0.0	8:17	0.0	0.0	-
8:18	0.0	0.0	8:18	0.0	0.0	-
8:19	0.0	0.0	8:19	0.0	0.0	-
8:20	0.0	0.0	8:20	0.0	0.0	-
8:21	0.0	0.0	8:21	0.0	0.0	-
8:22	0.0	0.0	8:22	0.0	0.0	-
8:23	0.1	0.0	8:23	0.0	0.0	-
8:24	0.1	0.0	8:24	0.0	0.0	-
8:25	0.1	0.0	8:25	0.0	0.0	-
8:26	0.1	0.0	8:26	0.0	0.0	-
8:27	0.1	0.0	8:27	0.0	0.0	-
8:28	0.1	0.0	8:28	0.0	0.0	-
8:29	0.1	0.0	8:29	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:30	0.1	0.1	8:30	0.0	0.0	-
8:31	0.1	0.1	8:31	0.0	0.0	-
8:32	0.1	0.1	8:32	0.0	0.0	-
8:35	0.1	0.1	8:35	0.0	0.0	-
8:36	0.1	0.1	8:36	0.0	0.0	-
8:37	0.1	0.1	8:37	0.0	0.0	-
8:38	0.1	0.1	8:38	0.0	0.0	-
8:39	0.1	0.1	8:39	0.0	0.0	-
8:40	0.1	0.1	8:40	0.0	0.0	-
8:41	0.1	0.1	8:41	0.0	0.0	-
8:42	0.1	0.1	8:42	0.0	0.0	-
8:43	0.1	0.1	8:43	0.0	0.0	-
8:44	0.1	0.1	8:44	0.0	0.0	-
8:45	0.1	0.1	8:45	0.0	0.0	-
8:46	0.1	0.1	8:46	0.0	0.0	-
8:47	0.1	0.1	8:47	0.0	0.0	-
8:48	0.1	0.1	8:48	0.0	0.0	-
8:49	0.1	0.1	8:49	0.0	0.0	-
8:50	0.1	0.1	8:50	0.0	0.0	-
8:51	0.1	0.1	8:51	0.0	0.0	-
8:52	0.1	0.1	8:52	0.0	0.0	-
8:53	0.1	0.1	8:53	0.0	0.0	-
8:54	0.1	0.1	8:54	0.0	0.0	-
8:55	0.1	0.1	8:55	0.0	0.0	-
8:56	0.1	0.1	8:56	0.0	0.0	-
8:57	0.1	0.1	8:57	0.0	0.0	-
8:58	0.1	0.1	8:58	0.0	0.0	-
8:59	0.1	0.1	8:59	0.0	0.0	-
9:00	0.1	0.1	9:00	0.0	0.0	-
9:01	0.1	0.1	9:01	0.0	0.0	-
9:02	0.1	0.1	9:02	0.0	0.0	-
9:03	0.1	0.1	9:03	0.0	0.0	-
9:04	0.1	0.1	9:04	0.0	0.0	-
9:05	0.1	0.1	9:05	0.0	0.0	-
9:06	0.1	0.1	9:06	0.0	0.0	-
9:07	0.1	0.1	9:07	0.0	0.0	-
9:08	0.1	0.1	9:08	0.0	0.0	-
9:09	0.1	0.1	9:09	0.0	0.0	-
9:10	0.1	0.1	9:10	0.0	0.0	-
9:11	0.1	0.1	9:11	0.0	0.0	-
9:12	0.1	0.1	9:12	0.0	0.0	-
9:13	0.1	0.1	9:13	0.0	0.0	-
9:14	0.1	0.1	9:14	0.0	0.0	-
9:15	0.1	0.1	9:15	0.0	0.0	-
9:16	0.1	0.1	9:16	0.0	0.0	-
9:17	0.1	0.1	9:17	0.0	0.0	-
9:18	0.1	0.1	9:18	0.0	0.0	-
9:19	0.1	0.1	9:19	0.0	0.0	-
9:20	0.1	0.1	9:20	0.0	0.0	-
9:21	0.1	0.1	9:21	0.0	0.0	-
9:22	0.1	0.1	9:22	0.0	0.0	-
9:23	0.1	0.1	9:23	0.0	0.0	-
9:24	0.1	0.1	9:24	0.0	0.0	-
9:25	0.1	0.1	9:25	0.0	0.0	-
9:26	0.1	0.1	9:26	0.0	0.0	-
9:27	0.1	0.1	9:27	0.0	0.0	-
9:28	0.1	0.1	9:28	0.0	0.0	-
9:29	0.1	0.1	9:29	0.0	0.0	-
9:30	0.1	0.1	9:30	0.0	0.0	-
9:31	0.1	0.1	9:31	0.0	0.0	-
9:32	0.1	0.1	9:32	0.0	0.0	-
9:33	0.1	0.1	9:33	0.0	0.0	-
9:34	0.1	0.1	9:34	0.0	0.0	-
9:35	0.1	0.1	9:35	0.0	0.0	-
9:36	0.1	0.1	9:36	0.0	0.0	-
9:37	0.1	0.1	9:37	0.0	0.0	-
9:38	0.1	0.1	9:38	0.0	0.0	-
9:39	0.1	0.1	9:39	0.0	0.0	-
9:40	0.1	0.1	9:40	0.0	0.0	-
9:41	0.1	0.1	9:41	0.0	0.0	-
9:42	0.2	0.1	9:42	0.0	0.0	-
9:43	0.2	0.1	9:43	0.0	0.0	-
9:44	0.2	0.1	9:44	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:45	0.2	0.1	9:45	0.0	0.0	-
9:46	0.2	0.1	9:46	0.0	0.0	-
9:47	0.2	0.1	9:47	0.0	0.0	-
9:48	0.2	0.1	9:48	0.0	0.0	-
9:49	0.2	0.2	9:49	0.0	0.0	-
9:50	0.2	0.2	9:50	0.0	0.0	-
9:51	0.2	0.2	9:51	0.0	0.0	-
9:52	0.2	0.2	9:52	0.0	0.0	-
9:53	0.2	0.2	9:53	0.0	0.0	-
9:54	0.2	0.2	9:54	0.0	0.0	-
9:55	0.2	0.2	9:55	0.0	0.0	-
9:56	0.2	0.2	9:56	0.0	0.0	-
9:57	0.2	0.2	9:57	0.0	0.0	-
9:58	0.2	0.2	9:58	0.0	0.0	-
9:59	0.2	0.2	9:59	0.0	0.0	-
10:00	0.2	0.2	10:00	0.0	0.0	-
10:01	0.2	0.2	10:01	0.0	0.0	-
10:02	0.2	0.2	10:02	0.0	0.0	-
10:03	0.2	0.2	10:03	0.0	0.0	-
10:04	0.2	0.2	10:04	0.0	0.0	-
10:05	0.1	0.2	10:05	0.0	0.0	-
10:06	0.1	0.2	10:06	0.0	0.0	-
10:07	0.1	0.2	10:07	0.0	0.0	-
10:08	0.1	0.2	10:08	0.0	0.0	-
10:09	0.1	0.2	10:09	0.0	0.0	-
10:10	0.1	0.2	10:10	0.0	0.0	-
10:11	0.1	0.2	10:11	0.0	0.0	-
10:12	0.1	0.1	10:12	0.0	0.0	-
10:13	0.1	0.1	10:13	0.0	0.0	-
10:14	0.1	0.1	10:14	0.0	0.0	-
10:15	0.1	0.1	10:15	0.0	0.0	-
10:16	0.1	0.1	10:16	0.0	0.0	-
10:17	0.1	0.1	10:17	0.0	0.0	-
10:18	0.1	0.1	10:18	0.0	0.0	-
10:19	0.2	0.1	10:19	0.0	0.0	-
10:20	0.2	0.1	10:20	0.1	0.0	-
10:21	0.2	0.1	10:21	0.1	0.0	-
10:22	0.2	0.1	10:22	0.1	0.0	-
10:23	0.2	0.1	10:23	0.1	0.0	-
10:24	0.2	0.1	10:24	0.1	0.0	-
10:25	0.2	0.1	10:25	0.1	0.0	-
10:26	0.2	0.2	10:26	0.1	0.0	-
10:27	0.2	0.2	10:27	0.1	0.0	-
10:28	0.2	0.2	10:28	0.1	0.0	-
10:29	0.2	0.2	10:29	0.1	0.0	-
10:30	0.2	0.2	10:30	0.1	0.0	-
10:31	0.2	0.2	10:31	0.1	0.0	-
10:32	0.2	0.2	10:32	0.1	0.0	-
10:33	0.2	0.2	10:33	0.1	0.0	-
10:34	0.2	0.2	10:34	0.1	0.1	-
10:35	0.2	0.2	10:35	0.1	0.1	-
10:36	0.2	0.2	10:36	0.1	0.1	-
10:37	0.2	0.2	10:37	0.1	0.1	-
10:38	0.2	0.2	10:38	0.1	0.1	-
10:39	0.2	0.2	10:39	0.1	0.1	-
10:40	0.2	0.2	10:40	0.1	0.1	-
10:41	0.2	0.2	10:41	0.1	0.1	-
10:42	0.2	0.2	10:42	0.1	0.1	-
10:43	0.2	0.2	10:43	0.1	0.1	-
10:44	0.2	0.2	10:44	0.1	0.1	-
10:45	0.2	0.2	10:45	0.1	0.1	-
10:46	0.2	0.2	10:46	0.1	0.1	-
10:47	0.2	0.2	10:47	0.1	0.1	-
10:48	0.2	0.2	10:48	0.1	0.1	-
10:49	0.2	0.2	10:49	0.1	0.1	-
10:50	0.2	0.2	10:50	0.1	0.1	-
10:51	0.2	0.2	10:51	0.1	0.1	-
10:52	0.2	0.2	10:52	0.1	0.1	-
10:53	0.2	0.2	10:53	0.1	0.1	-
10:54	0.2	0.2	10:54	0.1	0.1	-
10:55	0.2	0.2	10:55	0.1	0.1	-
10:56	0.2	0.2	10:56	0.1	0.1	-
10:57	0.2	0.2	10:57	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:58	0.2	0.2	10:58	0.1	0.1	-
10:59	0.2	0.2	10:59	0.1	0.1	-
11:00	0.2	0.2	11:00	0.1	0.1	-
11:01	0.2	0.2	11:01	0.1	0.1	-
11:02	0.2	0.2	11:02	0.1	0.1	-
11:03	0.2	0.2	11:03	0.1	0.1	-
11:04	0.2	0.2	11:04	0.1	0.1	-
11:05	0.2	0.2	11:05	0.1	0.1	-
11:06	0.2	0.2	11:06	0.1	0.1	-
11:07	0.2	0.2	11:07	0.1	0.1	-
11:08	0.2	0.2	11:08	0.1	0.1	-
11:09	0.2	0.2	11:09	0.1	0.1	-
11:10	0.2	0.2	11:10	0.1	0.1	-
11:11	0.2	0.2	11:11	0.1	0.1	-
11:12	0.2	0.2	11:12	0.1	0.1	-
11:13	0.2	0.2	11:13	0.1	0.1	-
11:14	0.2	0.2	11:14	0.1	0.1	-
11:15	0.2	0.2	11:15	0.1	0.1	-
11:16	0.2	0.2	11:16	0.1	0.1	-
11:17	0.2	0.2	11:17	0.1	0.1	-
11:18	0.2	0.2	11:18	0.1	0.1	-
11:19	0.2	0.2	11:19	0.1	0.1	-
11:20	0.2	0.2	11:20	0.1	0.1	-
11:21	0.2	0.2	11:21	0.1	0.1	-
11:22	0.2	0.2	11:22	0.1	0.1	-
11:23	0.2	0.2	11:23	0.1	0.1	-
11:24	0.2	0.2	11:24	0.1	0.1	-
11:25	0.2	0.2	11:25	0.1	0.1	-
11:26	0.2	0.2	11:26	0.1	0.1	-
11:27	0.2	0.2	11:27	0.1	0.1	-
11:28	0.2	0.2	11:28	0.1	0.1	-
11:29	0.2	0.2	11:29	0.1	0.1	-
11:30	0.2	0.2	11:30	0.1	0.1	-
11:31	0.2	0.2	11:31	0.1	0.1	-
11:32	0.2	0.2	11:32	0.1	0.1	-
11:33	0.2	0.2	11:33	0.1	0.1	-
11:34	0.2	0.2	11:34	0.1	0.1	-
11:35	0.2	0.2	11:35	0.1	0.1	-
11:36	0.2	0.2	11:36	0.1	0.1	-
11:37	0.2	0.2	11:37	0.1	0.1	-
11:38	0.2	0.2	11:38	0.1	0.1	-
11:39	0.2	0.2	11:39	0.1	0.1	-
11:40	0.2	0.2	11:40	0.1	0.1	-
11:41	0.2	0.2	11:41	0.1	0.1	-
11:42	0.2	0.2	11:42	0.1	0.1	-
11:43	0.2	0.2	11:43	0.1	0.1	-
11:44	0.2	0.2	11:44	0.1	0.1	-
11:45	0.2	0.2	11:45	0.1	0.1	-
11:46	0.2	0.2	11:46	0.1	0.1	-
11:47	0.2	0.2	11:47	0.1	0.1	-
11:48	0.2	0.2	11:48	0.1	0.1	-
11:49	0.2	0.2	11:49	0.1	0.1	-
11:50	0.2	0.2	11:50	0.1	0.1	-
11:51	0.2	0.2	11:51	0.1	0.1	-
11:52	0.2	0.2	11:52	0.1	0.1	-
11:53	0.2	0.2	11:53	0.2	0.1	-
11:54	0.2	0.2	11:54	0.1	0.1	-
11:55	0.2	0.2	11:55	0.1	0.1	-
11:56	0.2	0.2	11:56	0.1	0.1	-
11:57	0.2	0.2	11:57	0.1	0.1	-
11:58	0.2	0.2	11:58	0.1	0.1	-
11:59	0.2	0.2	11:59	0.1	0.1	-
12:00	0.2	0.2	12:00	0.1	0.1	-
12:01	0.2	0.2	12:01	0.1	0.1	-
12:02	0.2	0.2	12:02	0.1	0.1	-
12:03	0.2	0.2	12:03	0.1	0.1	-
12:04	0.2	0.2	12:04	0.1	0.1	-
12:05	0.2	0.2	12:05	0.1	0.1	-
12:06	0.2	0.2	12:06	0.1	0.1	-
12:07	0.2	0.2	12:07	0.1	0.1	-
12:08	0.2	0.2	12:08	0.1	0.1	-
12:09	0.2	0.2	12:09	0.1	0.1	-
12:10	0.2	0.2	12:10	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:11	0.2	0.2	12:11	0.1	0.1	-
12:12	0.2	0.2	12:12	0.1	0.1	-
12:13	0.2	0.2	12:13	0.1	0.1	-
12:14	0.2	0.2	12:14	0.1	0.1	-
12:15	0.2	0.2	12:15	0.1	0.1	-
12:16	0.2	0.2	12:16	0.1	0.1	-
12:17	0.2	0.2	12:17	0.1	0.1	-
12:18	0.2	0.2	12:18	0.1	0.1	-
12:19	0.2	0.2	12:19	0.1	0.1	-
12:20	0.2	0.2	12:20	0.2	0.1	-
12:21	0.2	0.2	12:21	0.2	0.1	-
12:22	0.2	0.2	12:22	0.1	0.1	-
12:23	0.2	0.2	12:23	0.1	0.1	-
12:24	0.2	0.2	12:24	0.2	0.1	-
12:25	0.2	0.2	12:25	0.2	0.1	-
12:26	0.2	0.2	12:26	0.2	0.1	-
12:27	0.2	0.2	12:27	0.2	0.1	-
12:28	0.2	0.2	12:28	0.2	0.1	-
12:29	0.2	0.2	12:29	0.2	0.1	-
12:30	0.2	0.2	12:30	0.2	0.1	-
12:31	0.2	0.2	12:31	0.2	0.1	-
12:32	0.2	0.2	12:32	0.2	0.1	-
12:33	0.2	0.2	12:33	0.1	0.1	-
12:34	0.2	0.2	12:34	0.1	0.1	-
12:35	0.2	0.2	12:35	0.1	0.1	-
12:36	0.2	0.2	12:36	0.1	0.2	-
12:37	0.2	0.2	12:37	0.1	0.2	-
12:38	0.2	0.2	12:38	0.1	0.2	-
12:39	0.2	0.2	12:39	0.2	0.2	-
12:40	0.2	0.2	12:40	0.1	0.2	-
12:41	0.2	0.2	12:41	0.2	0.2	-
12:42	0.2	0.2	12:42	0.1	0.2	-
12:43	0.2	0.2	12:43	0.1	0.2	-
12:44	0.2	0.2	12:44	0.1	0.2	-
12:45	0.2	0.2	12:45	0.1	0.2	-
12:46	0.2	0.2	12:46	0.1	0.2	-
12:47	0.2	0.2	12:47	0.1	0.2	-
12:48	0.2	0.2	12:48	0.1	0.2	-
12:49	0.2	0.2	12:49	0.1	0.1	-
12:50	0.2	0.2	12:50	0.1	0.1	-
12:51	0.2	0.2	12:51	0.1	0.1	-
12:52	0.2	0.2	12:52	0.1	0.1	-
12:53	0.2	0.2	12:53	0.1	0.1	-
12:54	0.2	0.2	12:54	0.1	0.1	-
12:55	0.2	0.2	12:55	0.1	0.1	-
12:56	0.2	0.2	12:56	0.1	0.1	-
12:57	0.2	0.2	12:57	0.1	0.1	-
12:58	0.2	0.2	12:58	0.1	0.1	-
12:59	0.2	0.2	12:59	0.1	0.1	-
13:00	0.2	0.2	13:00	0.1	0.1	-
13:01	0.2	0.2	13:01	0.1	0.1	-
13:02	0.2	0.2	13:02	0.1	0.1	-
13:03	0.2	0.2	13:03	0.1	0.1	-
13:04	0.2	0.2	13:04	0.1	0.1	-
13:05	0.2	0.2	13:05	0.1	0.1	-
13:06	0.2	0.2	13:06	0.1	0.1	-
13:07	0.2	0.2	13:07	0.2	0.1	-
13:08	0.2	0.2	13:08	0.2	0.1	-
13:09	0.2	0.2	13:09	0.1	0.1	-
13:10	0.2	0.2	13:10	0.1	0.1	-
13:11	0.2	0.2	13:11	0.2	0.1	-
13:12	0.1	0.2	13:12	0.1	0.1	-
13:13	0.2	0.2	13:13	0.1	0.1	-
13:14	0.1	0.2	13:14	0.1	0.1	-
13:15	0.2	0.2	13:15	0.1	0.1	-
13:16	0.2	0.2	13:16	0.1	0.1	-
13:17	0.2	0.2	13:17	0.1	0.1	-
13:18	0.2	0.2	13:18	0.1	0.1	-
13:19	0.2	0.2	13:19	0.1	0.1	-
13:20	0.2	0.2	13:20	0.1	0.1	-
13:21	0.2	0.2	13:21	0.1	0.1	-
13:22	0.2	0.2	13:22	0.1	0.1	-
13:23	0.2	0.2	13:23	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
13:24	0.2	0.2	13:24	0.1	0.1	-
13:25	0.2	0.2	13:25	0.1	0.1	-
13:26	0.2	0.2	13:26	0.1	0.1	-
13:27	0.2	0.2	13:27	0.1	0.1	-
13:28	0.2	0.2	13:28	0.1	0.1	-
13:29	0.2	0.2	13:29	0.1	0.1	-
13:30	0.2	0.2	13:30	0.1	0.1	-
13:31	0.2	0.2	13:31	0.1	0.1	-
13:32	0.2	0.2	13:32	0.2	0.1	-
13:33	0.2	0.2	13:33	0.2	0.1	-
13:34	0.2	0.2	13:34	0.1	0.1	-
13:35	0.2	0.2	13:35	0.1	0.1	-
13:36	0.2	0.2	13:36	0.1	0.1	-
13:37	0.2	0.2	13:37	0.1	0.1	-
13:38	0.2	0.2	13:38	0.1	0.1	-
13:39	0.2	0.2	13:39	0.2	0.1	-
13:40	0.2	0.2	13:40	0.1	0.1	-
13:41	0.2	0.2	13:41	0.2	0.1	-
13:42	0.2	0.2	13:42	0.2	0.1	-
13:43	0.2	0.2	13:43	0.1	0.1	-
13:44	0.2	0.2	13:44	0.1	0.1	-
13:45	0.2	0.2	13:45	0.1	0.1	-
13:46	0.2	0.2	13:46	0.1	0.1	-
13:47	0.2	0.2	13:47	0.1	0.1	-
13:48	0.2	0.2	13:48	0.1	0.1	-
13:49	0.2	0.2	13:49	0.1	0.1	-
13:50	0.2	0.2	13:50	0.1	0.1	-
13:51	0.2	0.2	13:51	0.1	0.1	-
13:52	0.2	0.2	13:52	0.1	0.1	-
13:53	0.2	0.2	13:53	0.1	0.1	-
13:54	0.2	0.2	13:54	0.1	0.1	-
13:55	0.2	0.2	13:55	0.1	0.1	-
13:56	0.2	0.2	13:56	0.1	0.1	-
13:57	0.2	0.2	13:57	0.1	0.1	-
13:58	0.2	0.2	13:58	0.1	0.1	-
13:59	0.2	0.2	13:59	0.1	0.1	-
14:00	0.2	0.2	14:00	0.1	0.1	-
14:01	0.2	0.2	14:01	0.1	0.1	-
14:02	0.2	0.2	14:02	0.1	0.1	-
14:03	0.2	0.2	14:03	0.1	0.1	-
14:04	0.2	0.2	14:04	0.1	0.1	-
14:05	0.2	0.2	14:05	0.1	0.1	-
14:06	0.2	0.2	14:06	0.1	0.1	-
14:07	0.2	0.2	14:07	0.1	0.1	-
14:08	0.2	0.2	14:08	0.1	0.1	-
14:09	0.2	0.2	14:09	0.1	0.1	-
14:10	0.2	0.2	14:10	0.1	0.1	-
14:11	0.2	0.2	14:11	0.1	0.1	-
14:12	0.2	0.2	14:12	0.1	0.1	-
14:13	0.2	0.2	14:13	0.1	0.1	-
14:14	0.2	0.2	14:14	0.1	0.1	-
14:15	0.2	0.2	14:15	0.1	0.1	-
14:16	0.2	0.2	14:16	0.1	0.1	-
14:17	0.2	0.2	14:17	0.1	0.1	-
14:18	0.2	0.2	14:18	0.1	0.1	-
14:19	0.2	0.2	14:19	0.1	0.1	-
14:20	0.2	0.2	14:20	0.1	0.1	-
14:21	0.2	0.2	14:21	0.1	0.1	-
14:22	0.2	0.2	14:22	0.1	0.1	-
14:23	0.2	0.2	14:23	0.1	0.1	-
14:24	0.2	0.2	14:24	0.1	0.1	-
14:25	0.2	0.2	14:25	0.1	0.1	-
14:26	0.2	0.2	14:26	0.1	0.1	-
14:27	0.2	0.2	14:27	0.1	0.1	-
14:28	0.2	0.2	14:28	0.1	0.1	-
14:29	0.2	0.2	14:29	0.1	0.1	-
14:30	0.2	0.2	14:30	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:31	0.2	0.2	14:31	0.1	0.1	-
14:32	0.2	0.2	14:32	0.1	0.1	-
14:33	0.2	0.2	14:33	0.1	0.1	-
14:34	0.2	0.2	14:34	0.1	0.1	-
14:35	0.2	0.2	14:35	0.1	0.1	-
14:36	0.2	0.2	14:36	0.1	0.1	-
14:37	0.2	0.2	14:37	0.1	0.1	-
14:38	0.2	0.2	14:38	0.1	0.1	-
14:39	0.2	0.2	14:39	0.1	0.1	-
14:40	0.2	0.2	14:40	0.1	0.1	-
14:41	0.2	0.2	14:41	0.1	0.1	-
14:42	0.2	0.2	14:42	0.1	0.1	-
14:43	0.2	0.2	14:43	0.1	0.1	-
14:44	0.2	0.2	14:44	0.1	0.1	-
14:45	0.2	0.2	14:45	0.1	0.1	-
14:46	0.2	0.2	14:46	0.1	0.1	-
14:47	0.2	0.2	14:47	0.1	0.1	-
14:48	0.2	0.2	14:48	0.1	0.1	-
14:49	0.2	0.2	14:49	0.1	0.1	-
14:50	0.2	0.2	14:50	0.1	0.1	-
14:51	0.2	0.2	14:51	0.1	0.1	-
14:52	0.2	0.2	14:52	0.1	0.1	-
14:53	0.2	0.2	14:53	0.1	0.1	-
14:54	0.2	0.2	14:54	0.1	0.1	-
14:55	0.2	0.2	14:55	0.1	0.1	-
14:56	0.2	0.2	14:56	0.1	0.1	-
14:57	0.2	0.2	14:57	0.1	0.1	-
14:58	0.2	0.2	14:58	0.1	0.1	-
14:59	0.2	0.2	14:59	0.1	0.1	-
15:00	0.2	0.2	15:00	0.1	0.1	-
15:01	0.2	0.2	15:01	0.1	0.1	-
15:02	0.2	0.2	15:02	0.1	0.1	-
15:03	0.1	0.2	15:03	0.1	0.1	-
15:04	0.1	0.2	15:04	0.1	0.1	-
15:05	0.2	0.2	15:05	0.1	0.1	-
15:06	0.1	0.2	15:06	0.1	0.1	-
15:07	0.2	0.2	15:07	0.1	0.1	-
15:08	0.2	0.2	15:08	0.1	0.1	-
15:09	0.1	0.2	15:09	0.1	0.1	-
15:10	0.2	0.2	15:10	0.1	0.1	-
15:11	0.1	0.2	15:11	0.1	0.1	-
15:12	0.2	0.2	15:12	0.1	0.1	-
15:13	0.1	0.2	15:13	0.1	0.1	-
15:14	0.1	0.2	15:14	0.1	0.1	-
15:15	0.1	0.1	15:15	0.1	0.1	-
15:16	0.1	0.1	15:16	0.1	0.1	-
15:17	0.1	0.1	15:17	0.1	0.1	-
15:18	0.1	0.1	15:18	0.1	0.1	-
15:19	0.1	0.1	15:19	0.1	0.1	-
15:20	0.1	0.1	15:20	0.1	0.1	-
15:21	0.1	0.1	15:21	0.1	0.1	-
15:22	0.1	0.1	15:22	0.1	0.1	-
15:23	0.1	0.1	15:23	0.1	0.1	-
15:24	0.1	0.1	15:24	0.1	0.1	-
15:25	0.1	0.1	15:25	0.1	0.1	-
15:26	0.1	0.1	15:26	0.1	0.1	-
15:27	0.1	0.1	15:27	0.1	0.1	-
15:28	0.1	0.1	15:28	0.1	0.1	-
15:29	0.1	0.1	15:29	0.1	0.1	-
15:30	0.1	0.1	15:30	0.1	0.1	-
15:31	0.1	0.1	15:31	0.1	0.1	-
15:32	0.1	0.1	15:32	0.1	0.1	-
15:33	0.1	0.1	15:33	0.1	0.1	-
15:34	0.1	0.1	15:34	0.1	0.1	-
15:35	0.1	0.1	15:35	0.1	0.1	-
15:36	0.1	0.1	15:36	0.1	0.1	-
15:37	0.1	0.1	15:37	0.1	0.1	-
15:38	0.1	0.1	15:38	0.1	0.1	-
15:39	0.1	0.1	15:39	0.1	0.1	-
15:40	0.1	0.1	15:40	0.1	0.1	-
15:41	0.1	0.1	15:41	0.1	0.1	-
15:42	0.1	0.1	15:42	0.1	0.1	-
15:43	0.1	0.1	15:43	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
15:44	0.1	0.1	15:44	0.1	0.1	-
15:45	0.1	0.1	15:45	0.1	0.1	-
15:46	0.1	0.1	15:46	0.1	0.1	-
15:47	0.1	0.1	15:47	0.1	0.1	-
15:48	0.1	0.1	15:48	0.1	0.1	-
15:49	0.1	0.1	15:49	0.1	0.1	-
15:50	0.1	0.1	15:50	0.1	0.1	-
15:51	0.1	0.1	15:51	0.1	0.1	-

LANGAN

459 Smith Street
170420201
CAMP Data Summary

Date: 12/17/2021
Observer: Andrew Nesci

Particulate Monitoring			
		Upwind	**Downwind**
Minimum 15min Average		0.004	0.010
Maximum 15min Average		0.017	0.030
High Intervals "exceedances" (15min > 1.5 + Upwind level)		N/A	No
Minimum 1min Reading		0.004	0.004
Maximum 1min Reading		0.058	0.045

Organic Vapor Monitoring		
	Upwind	**Downwind**
Minimum 15min Average	0.0	#DIV/0!
Maximum 15min Average	0.3	#DIV/0!
High Intervals "exceedances" (15min > 5 + Upwind level)	N/A	No
Minimum 1min Reading	0.0	0.0
Maximum 1min Reading	0.3	0.3

All reported particulate concentrations are in mg/m3 or milligrams per cubic meter and all reported organic vapor concentrations are in ppm or parts per million, unless specified otherwise.

December 17, 2021						
Number of Instances Where Downwind Particulates Exceeds Upwind Particulate + .150 mg/m^3 =						0
Number of Comparable Data Points =						427
PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
7:21	0.017		7:21	0.021		
7:22	0.014		7:22	0.024		
7:23	0.014		7:23	0.027		
7:24	0.016		7:24	0.033		
7:25	0.015		7:25	0.031		
7:26	0.015		7:26	0.033		
7:27	0.014		7:27	0.032		
7:28	0.013		7:28	0.032		
7:29	0.014		7:29	0.029		
7:30	0.014		7:30	0.033		
7:31	0.015		7:31	0.036		
7:32	0.015		7:32	0.032		
7:33	0.014		7:33	0.027		
7:34	0.014		7:34	0.024		
7:35	0.016	0.015	7:35	0.022		
7:36	0.017	0.015	7:36	0.021		
7:37	0.014	0.015	7:37	0.020		
7:38	0.013	0.015	7:38	0.015	0.030	-
7:39	0.012	0.014	7:39	0.013	0.029	-
7:40	0.012	0.014	7:40	0.013	0.029	-
7:41	0.011	0.014	7:41	0.013	0.029	-
7:42	0.011	0.014	7:42	0.012	0.028	-
7:43	0.011	0.014	7:43	0.012	0.027	-
7:44	0.011	0.013	7:44	0.012	0.025	-
7:45	0.012	0.013	7:45	0.012	0.024	-
7:46	0.012	0.013	7:46	0.023	0.023	-
7:47	0.014	0.013	7:47	0.012	0.021	-
7:48	0.014	0.013	7:48	0.013	0.020	-
7:49	0.014	0.013	7:49	0.012	0.019	-
7:50	0.013	0.013	7:50	0.011	0.018	-
7:51	0.014	0.013	7:51	0.012	0.017	-
7:52	0.013	0.012	7:52	0.019	0.016	-
7:53	0.014	0.013	7:53	0.014	0.015	-
7:54	0.016	0.013	7:54	0.012	0.014	-
7:55	0.016	0.013	7:55	0.013	0.014	-
7:56	0.015	0.013	7:56	0.041	0.014	-
7:57	0.015	0.014	7:57	0.033	0.014	-
7:58	0.014	0.014	7:58	0.012	0.013	-
7:59	0.058	0.017	7:59	0.011	0.013	-
8:00	0.018	0.017	8:00	0.011	0.015	-
8:01	0.014	0.017	8:01	0.010	0.017	-
8:02	0.014	0.017	8:02	0.010	0.017	-
8:03	0.013	0.017	8:03	0.010	0.017	-
8:04	0.012	0.017	8:04	0.010	0.017	-
8:05	0.012	0.017	8:05	0.011	0.016	-
8:06	0.011	0.017	8:06	0.010	0.016	-
8:07	0.012	0.017	8:07	0.011	0.015	-
8:08	0.012	0.017	8:08	0.012	0.015	-
8:09	0.013	0.017	8:09	0.010	0.015	-
8:10	0.013	0.016	8:10	0.010	0.015	-
8:11	0.014	0.016	8:11	0.011	0.015	-
8:12	0.013	0.016	8:12	0.010	0.014	-
8:13	0.013	0.016	8:13	0.010	0.014	-
8:14	0.011	0.013	8:14	0.009	0.014	-
8:15	0.010	0.012	8:15	0.010	0.012	-
8:16	0.010	0.012	8:16	0.010	0.011	-
8:17	0.010	0.012	8:17	0.010	0.010	-
8:18	0.011	0.012	8:18	0.011	0.010	-
8:19	0.012	0.012	8:19	0.016	0.010	-
8:20	0.010	0.012	8:20	0.010	0.010	-
8:21	0.013	0.012	8:21	0.009	0.010	-
8:22	0.010	0.012	8:22	0.009	0.010	-
8:23	0.010	0.012	8:23	0.008	0.011	-
8:24	0.010	0.011	8:24	0.008	0.011	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
8:25	0.011	0.011	8:25	0.009	0.011	-
8:26	0.012	0.011	8:26	0.008	0.010	-
8:27	0.014	0.011	8:27	0.009	0.010	-
8:28	0.017	0.011	8:28	0.010	0.010	-
8:29	0.018	0.012	8:29	0.010	0.010	-
8:30	0.012	0.012	8:30	0.011	0.010	-
8:31	0.016	0.012	8:31	0.010	0.010	-
8:32	0.013	0.013	8:32	0.010	0.010	-
8:33	0.015	0.013	8:33	0.011	0.010	-
8:34	0.019	0.013	8:34	0.010	0.010	-
8:35	0.017	0.014	8:35	0.010	0.010	-
8:36	0.012	0.014	8:36	0.010	0.010	-
8:37	0.013	0.014	8:37	0.010	0.010	-
8:38	0.014	0.014	8:38	0.018	0.009	-
8:39	0.015	0.015	8:39	0.018	0.009	-
8:40	0.014	0.015	8:40	0.013	0.010	-
8:41	0.018	0.015	8:41	0.011	0.010	-
8:42	0.015	0.015	8:42	0.010	0.010	-
8:43	0.018	0.015	8:43	0.011	0.011	-
8:44	0.015	0.015	8:44	0.010	0.011	-
8:45	0.018	0.015	8:45	0.011	0.011	-
8:46	0.019	0.016	8:46	0.011	0.011	-
8:47	0.018	0.016	8:47	0.011	0.012	-
8:48	0.015	0.016	8:48	0.010	0.012	-
8:49	0.014	0.016	8:49	0.010	0.012	-
8:50	0.019	0.016	8:50	0.010	0.012	-
8:51	0.028	0.017	8:51	0.010	0.012	-
8:52	0.021	0.017	8:52	0.010	0.012	-
8:53	0.014	0.017	8:53	0.010	0.012	-
8:54	0.012	0.017	8:54	0.009	0.012	-
8:55	0.012	0.017	8:55	0.013	0.012	-
8:56	0.019	0.017	8:56	0.010	0.012	-
8:57	0.017	0.017	8:57	0.009	0.011	-
8:58	0.015	0.017	8:58	0.009	0.010	-
8:59	0.012	0.017	8:59	0.010	0.010	-
9:00	0.013	0.017	9:00	0.013	0.010	-
9:01	0.012	0.016	9:01	0.013	0.010	-
9:02	0.011	0.016	9:02	0.010	0.010	-
9:03	0.011	0.015	9:03	0.010	0.010	-
9:04	0.010	0.015	9:04	0.010	0.010	-
9:05	0.011	0.015	9:05	0.011	0.010	-
9:06	0.012	0.013	9:06	0.010	0.010	-
9:07	0.013	0.013	9:07	0.010	0.010	-
9:08	0.011	0.013	9:08	0.010	0.010	-
9:09	0.010	0.013	9:09	0.010	0.010	-
9:10	0.010	0.012	9:10	0.009	0.010	-
9:11	0.025	0.013	9:11	0.009	0.010	-
9:12	0.014	0.013	9:12	0.008	0.010	-
9:13	0.010	0.012	9:13	0.010	0.011	-
9:14	0.011	0.012	9:14	0.008	0.010	-
9:15	0.010	0.012	9:15	0.016	0.010	-
9:16	0.017	0.012	9:16	0.015	0.010	-
9:17	0.019	0.013	9:17	0.014	0.010	-
9:18	0.014	0.013	9:18	0.016	0.010	-
9:19	0.011	0.013	9:19	0.014	0.010	-
9:20	0.010	0.013	9:20	0.009	0.010	-
9:21	0.009	0.013	9:21	0.009	0.011	-
9:22	0.009	0.013	9:22	0.008	0.011	-
9:23	0.010	0.013	9:23	0.008	0.011	-
9:24	0.012	0.013	9:24	0.008	0.011	-
9:25	0.010	0.013	9:25	0.008	0.011	-
9:26	0.008	0.012	9:26	0.008	0.011	-
9:27	0.008	0.011	9:27	0.008	0.011	-
9:28	0.008	0.011	9:28	0.008	0.011	-
9:29	0.010	0.011	9:29	0.009	0.011	-
9:30	0.011	0.011	9:30	0.008	0.011	-
9:31	0.010	0.011	9:31	0.007	0.011	-
9:32	0.009	0.010	9:32	0.008	0.010	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
9:33	0.010	0.010	9:33	0.008	0.011	-
9:34	0.009	0.010	9:34	0.008	0.010	-
9:35	0.009	0.009	9:35	0.009	0.009	-
9:36	0.012	0.010	9:36	0.011	0.009	-
9:37	0.009	0.010	9:37	0.011	0.009	-
9:38	0.009	0.010	9:38	0.010	0.008	-
9:39	0.009	0.009	9:39	0.008	0.008	-
9:40	0.009	0.009	9:40	0.010	0.008	-
9:41	0.009	0.009	9:41	0.009	0.008	-
9:42	0.010	0.010	9:42	0.009	0.009	-
9:43	0.010	0.010	9:43	0.008	0.009	-
9:44	0.009	0.010	9:44	0.010	0.009	-
9:45	0.010	0.010	9:45	0.009	0.009	-
9:46	0.013	0.010	9:46	0.008	0.009	-
9:47	0.018	0.010	9:47	0.008	0.009	-
9:48	0.019	0.011	9:48	0.008	0.009	-
9:49	0.019	0.012	9:49	0.008	0.009	-
9:50	0.014	0.012	9:50	0.008	0.009	-
9:51	0.014	0.012	9:51	0.008	0.009	-
9:52	0.011	0.012	9:52	0.010	0.009	-
9:53	0.013	0.012	9:53	0.008	0.009	-
9:54	0.012	0.013	9:54	0.009	0.009	-
9:55	0.010	0.013	9:55	0.011	0.009	-
9:56	0.010	0.013	9:56	0.011	0.009	-
9:57	0.010	0.013	9:57	0.009	0.009	-
9:58	0.011	0.013	9:58	0.010	0.009	-
9:59	0.009	0.013	9:59	0.008	0.009	-
10:00	0.009	0.013	10:00	0.008	0.009	-
10:01	0.010	0.013	10:01	0.007	0.009	-
10:02	0.009	0.012	10:02	0.007	0.009	-
10:03	0.009	0.011	10:03	0.007	0.009	-
10:04	0.009	0.011	10:04	0.007	0.009	-
10:05	0.009	0.010	10:05	0.008	0.009	-
10:06	0.007	0.010	10:06	0.008	0.009	-
10:07	0.010	0.010	10:07	0.008	0.009	-
10:08	0.011	0.010	10:08	0.009	0.009	-
10:09	0.014	0.010	10:09	0.010	0.009	-
10:10	0.013	0.010	10:10	0.011	0.009	-
10:11	0.011	0.010	10:11	0.009	0.008	-
10:12	0.012	0.010	10:12	0.010	0.008	-
10:13	0.015	0.010	10:13	0.009	0.009	-
10:14	0.011	0.011	10:14	0.008	0.009	-
10:15	0.010	0.011	10:15	0.007	0.008	-
10:16	0.009	0.011	10:16	0.007	0.008	-
10:17	0.010	0.011	10:17	0.007	0.008	-
10:18	0.010	0.011	10:18	0.008	0.008	-
10:19	0.010	0.011	10:19	0.007	0.008	-
10:20	0.008	0.011	10:20	0.007	0.008	-
10:21	0.008	0.011	10:21	0.007	0.008	-
10:22	0.009	0.011	10:22	0.006	0.008	-
10:23	0.009	0.011	10:23	0.006	0.008	-
10:24	0.009	0.010	10:24	0.006	0.008	-
10:25	0.008	0.010	10:25	0.007	0.008	-
10:26	0.007	0.010	10:26	0.007	0.008	-
10:27	0.006	0.009	10:27	0.008	0.008	-
10:28	0.007	0.009	10:28	0.006	0.008	-
10:29	0.007	0.008	10:29	0.006	0.007	-
10:30	0.007	0.008	10:30	0.006	0.007	-
10:31	0.009	0.008	10:31	0.006	0.007	-
10:32	0.007	0.008	10:32	0.006	0.007	-
10:33	0.007	0.008	10:33	0.005	0.007	-
10:34	0.007	0.008	10:34	0.006	0.007	-
10:35	0.007	0.008	10:35	0.006	0.007	-
10:36	0.014	0.008	10:36	0.006	0.007	-
10:37	0.010	0.008	10:37	0.006	0.006	-
10:38	0.011	0.008	10:38	0.007	0.006	-
10:39	0.010	0.008	10:39	0.008	0.006	-
10:40	0.010	0.008	10:40	0.007	0.006	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
10:41	0.008	0.008	10:41	0.007	0.006	-
10:42	0.010	0.009	10:42	0.007	0.006	-
10:43	0.008	0.009	10:43	0.007	0.006	-
10:44	0.009	0.009	10:44	0.007	0.006	-
10:45	0.007	0.009	10:45	0.006	0.006	-
10:46	0.007	0.009	10:46	0.006	0.006	-
10:47	0.006	0.009	10:47	0.006	0.006	-
10:48	0.007	0.009	10:48	0.007	0.006	-
10:49	0.007	0.009	10:49	0.007	0.006	-
10:50	0.007	0.009	10:50	0.007	0.006	-
10:51	0.006	0.008	10:51	0.006	0.006	-
10:52	0.007	0.008	10:52	0.006	0.007	-
10:53	0.007	0.008	10:53	0.006	0.007	-
10:54	0.007	0.008	10:54	0.006	0.007	-
10:55	0.006	0.007	10:55	0.007	0.007	-
10:56	0.006	0.007	10:56	0.007	0.007	-
10:57	0.007	0.007	10:57	0.006	0.007	-
10:58	0.006	0.007	10:58	0.006	0.007	-
10:59	0.006	0.007	10:59	0.006	0.007	-
11:00	0.006	0.007	11:00	0.006	0.007	-
11:01	0.007	0.007	11:01	0.006	0.006	-
11:02	0.006	0.007	11:02	0.006	0.006	-
11:03	0.006	0.006	11:03	0.006	0.006	-
11:04	0.006	0.006	11:04	0.007	0.006	-
11:05	0.005	0.006	11:05	0.006	0.006	-
11:06	0.008	0.006	11:06	0.006	0.006	-
11:07	0.007	0.006	11:07	0.006	0.006	-
11:08	0.006	0.006	11:08	0.008	0.006	-
11:09	0.006	0.006	11:09	0.006	0.006	-
11:10	0.006	0.006	11:10	0.005	0.006	-
11:11	0.006	0.006	11:11	0.005	0.006	-
11:12	0.007	0.006	11:12	0.006	0.006	-
11:13	0.008	0.006	11:13	0.007	0.006	-
11:14	0.006	0.006	11:14	0.007	0.006	-
11:15	0.006	0.006	11:15	0.007	0.006	-
11:16	0.006	0.006	11:16	0.007	0.006	-
11:17	0.008	0.006	11:17	0.007	0.006	-
11:18	0.014	0.007	11:18	0.007	0.006	-
11:19	0.011	0.007	11:19	0.006	0.006	-
11:20	0.008	0.008	11:20	0.006	0.006	-
11:21	0.007	0.007	11:21	0.006	0.006	-
11:22	0.010	0.008	11:22	0.006	0.006	-
11:23	0.011	0.008	11:23	0.006	0.006	-
11:24	0.007	0.008	11:24	0.006	0.006	-
11:25	0.006	0.008	11:25	0.006	0.006	-
11:26	0.006	0.008	11:26	0.007	0.006	-
11:27	0.007	0.008	11:27	0.007	0.006	-
11:28	0.009	0.008	11:28	0.006	0.006	-
11:29	0.008	0.008	11:29	0.006	0.006	-
11:30	0.007	0.008	11:30	0.007	0.006	-
11:31	0.008	0.008	11:31	0.006	0.007	-
11:32	0.014	0.009	11:32	0.006	0.006	-
11:33	0.009	0.009	11:33	0.006	0.006	-
11:34	0.007	0.008	11:34	0.006	0.006	-
11:35	0.006	0.008	11:35	0.006	0.006	-
11:36	0.007	0.008	11:36	0.007	0.006	-
11:37	0.007	0.008	11:37	0.007	0.006	-
11:38	0.006	0.008	11:38	0.007	0.006	-
11:39	0.006	0.008	11:39	0.006	0.006	-
11:40	0.006	0.008	11:40	0.005	0.006	-
11:41	0.006	0.008	11:41	0.005	0.006	-
11:42	0.005	0.007	11:42	0.006	0.006	-
11:43	0.006	0.007	11:43	0.006	0.006	-
11:44	0.005	0.007	11:44	0.006	0.006	-
11:45	0.005	0.007	11:45	0.006	0.006	-
11:46	0.005	0.007	11:46	0.006	0.006	-
11:47	0.006	0.006	11:47	0.006	0.006	-
11:48	0.005	0.006	11:48	0.007	0.006	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
11:49	0.006	0.006	11:49	0.006	0.006	-
11:50	0.006	0.006	11:50	0.006	0.006	-
11:51	0.005	0.006	11:51	0.006	0.006	-
11:52	0.005	0.006	11:52	0.005	0.006	-
11:53	0.005	0.005	11:53	0.007	0.006	-
11:54	0.005	0.005	11:54	0.006	0.006	-
11:55	0.005	0.005	11:55	0.006	0.006	-
11:56	0.006	0.005	11:56	0.007	0.006	-
11:57	0.006	0.005	11:57	0.005	0.006	-
11:58	0.006	0.005	11:58	0.006	0.006	-
11:59	0.005	0.005	11:59	0.006	0.006	-
12:00	0.007	0.006	12:00	0.007	0.006	-
12:01	0.006	0.006	12:01	0.006	0.006	-
12:02	0.006	0.006	12:02	0.006	0.006	-
12:03	0.006	0.006	12:03	0.007	0.006	-
12:04	0.006	0.006	12:04	0.006	0.006	-
12:05	0.005	0.006	12:05	0.007	0.006	-
12:06	0.006	0.006	12:06	0.007	0.006	-
12:07	0.006	0.006	12:07	0.009	0.006	-
12:08	0.005	0.006	12:08	0.008	0.006	-
12:09	0.005	0.006	12:09	0.008	0.006	-
12:10	0.006	0.006	12:10	0.008	0.006	-
12:11	0.007	0.006	12:11	0.008	0.007	-
12:12	0.006	0.006	12:12	0.008	0.007	-
12:13	0.009	0.006	12:13	0.008	0.007	-
12:14	0.008	0.006	12:14	0.008	0.007	-
12:15	0.009	0.006	12:15	0.006	0.007	-
12:16	0.008	0.007	12:16	0.007	0.007	-
12:17	0.008	0.007	12:17	0.006	0.007	-
12:18	0.006	0.007	12:18	0.006	0.007	-
12:19	0.006	0.007	12:19	0.007	0.007	-
12:20	0.006	0.007	12:20	0.007	0.007	-
12:21	0.005	0.007	12:21	0.006	0.007	-
12:22	0.006	0.007	12:22	0.006	0.007	-
12:23	0.005	0.007	12:23	0.006	0.007	-
12:24	0.007	0.007	12:24	0.006	0.007	-
12:25	0.006	0.007	12:25	0.007	0.007	-
12:26	0.006	0.007	12:26	0.045	0.007	-
12:27	0.006	0.007	12:27	0.008	0.007	-
12:28	0.007	0.007	12:28	0.005	0.007	-
12:29	0.005	0.006	12:29	0.007	0.007	-
12:30	0.005	0.006	12:30	0.005	0.009	-
12:31	0.007	0.006	12:31	0.006	0.009	-
12:32	0.005	0.006	12:32	0.005	0.009	-
12:33	0.004	0.006	12:33	0.006	0.009	-
12:34	0.004	0.006	12:34	0.005	0.009	-
12:35	0.004	0.005	12:35	0.005	0.009	-
12:36	0.005	0.005	12:36	0.005	0.009	-
12:37	0.006	0.005	12:37	0.005	0.009	-
12:38	0.006	0.006	12:38	0.004	0.009	-
12:39	0.006	0.005	12:39	0.004	0.009	-
12:40	0.006	0.005	12:40	0.004	0.008	-
12:41	0.005	0.005	12:41	0.004	0.008	-
12:42	0.005	0.005	12:42	0.005	0.008	-
12:43	0.005	0.005	12:43	0.005	0.008	-
12:44	0.005	0.005	12:44	0.005	0.008	-
12:45	0.005	0.005	12:45	0.005	0.005	-
12:46	0.005	0.005	12:46	0.005	0.005	-
12:47	0.004	0.005	12:47	0.004	0.005	-
12:48	0.005	0.005	12:48	0.005	0.005	-
12:49	0.006	0.005	12:49	0.004	0.005	-
12:50	0.005	0.005	12:50	0.004	0.005	-
12:51	0.006	0.005	12:51	0.004	0.005	-
12:52	0.008	0.005	12:52	0.005	0.005	-
12:53	0.007	0.006	12:53	0.005	0.005	-
12:54	0.006	0.006	12:54	0.005	0.005	-
12:55	0.006	0.006	12:55	0.006	0.004	-
12:56	0.011	0.006	12:56	0.019	0.004	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
12:57	0.018	0.007	12:57	0.006	0.005	-
12:58	0.009	0.007	12:58	0.008	0.005	-
12:59	0.009	0.007	12:59	0.007	0.005	-
13:00	0.005	0.007	13:00	0.007	0.006	-
13:01	0.005	0.007	13:01	0.006	0.006	-
13:02	0.004	0.007	13:02	0.007	0.006	-
13:03	0.007	0.007	13:03	0.006	0.006	-
13:04	0.005	0.007	13:04	0.005	0.006	-
13:05	0.004	0.007	13:05	0.005	0.006	-
13:06	0.005	0.007	13:06	0.005	0.007	-
13:07	0.004	0.007	13:07	0.005	0.007	-
13:08	0.004	0.007	13:08	0.005	0.007	-
13:09	0.004	0.007	13:09	0.005	0.007	-
13:10	0.004	0.007	13:10	0.006	0.007	-
13:11	0.004	0.006	13:11	0.006	0.007	-
13:12	0.004	0.005	13:12	0.005	0.007	-
13:13	0.004	0.005	13:13	0.005	0.007	-
13:14	0.005	0.005	13:14	0.006	0.007	-
13:15	0.004	0.004	13:15	0.005	0.006	-
13:16	0.006	0.005	13:16	0.005	0.006	-
13:17	0.007	0.005	13:17	0.007	0.006	-
13:18	0.005	0.005	13:18	0.006	0.006	-
13:19	0.005	0.005	13:19	0.006	0.005	-
13:20	0.006	0.005	13:20	0.007	0.005	-
13:21	0.006	0.005	13:21	0.007	0.005	-
13:22	0.005	0.005	13:22	0.006	0.005	-
13:23	0.004	0.005	13:23	0.007	0.005	-
13:24	0.004	0.005	13:24	0.006	0.006	-
13:25	0.004	0.005	13:25	0.006	0.006	-
13:26	0.005	0.005	13:26	0.007	0.006	-
13:27	0.005	0.005	13:27	0.006	0.006	-
13:28	0.006	0.005	13:28	0.006	0.006	-
13:29	0.005	0.005	13:29	0.006	0.006	-
13:30	0.004	0.005	13:30	0.006	0.006	-
13:31	0.004	0.005	13:31	0.007	0.006	-
13:32	0.004	0.005	13:32	0.007	0.006	-
13:33	0.004	0.005	13:33	0.008	0.006	-
13:34	0.004	0.005	13:34	0.008	0.006	-
13:35	0.004	0.005	13:35	0.007	0.006	-
13:36	0.011	0.005	13:36	0.007	0.006	-
13:37	0.005	0.005	13:37	0.006	0.007	-
13:38	0.005	0.005	13:38	0.006	0.007	-
13:39	0.004	0.005	13:39	0.007	0.007	-
13:40	0.005	0.005	13:40	0.007	0.007	-
13:41	0.004	0.005	13:41	0.007	0.007	-
13:42	0.005	0.005	13:42	0.006	0.007	-
13:43	0.005	0.005	13:43	0.006	0.007	-
13:44	0.006	0.005	13:44	0.007	0.007	-
13:45	0.006	0.005	13:45	0.009	0.007	-
13:46	0.006	0.005	13:46	0.010	0.007	-
13:47	0.006	0.005	13:47	0.008	0.007	-
13:48	0.007	0.006	13:48	0.007	0.007	-
13:49	0.008	0.006	13:49	0.007	0.007	-
13:50	0.007	0.006	13:50	0.007	0.007	-
13:51	0.007	0.006	13:51	0.007	0.007	-
13:52	0.007	0.006	13:52	0.008	0.007	-
13:53	0.007	0.006	13:53	0.007	0.007	-
13:54	0.007	0.006	13:54	0.008	0.007	-
13:55	0.007	0.006	13:55	0.008	0.007	-
13:56	0.007	0.007	13:56	0.009	0.007	-
13:57	0.007	0.007	13:57	0.011	0.007	-
13:58	0.006	0.007	13:58	0.011	0.007	-
13:59	0.006	0.007	13:59	0.009	0.007	-
14:00	0.007	0.007	14:00	0.009	0.008	-
14:01	0.007	0.007	14:01	0.009	0.008	-
14:02	0.006	0.007	14:02	0.009	0.008	-
14:03	0.007	0.007	14:03	0.008	0.008	-
14:04	0.006	0.007	14:04	0.008	0.008	-

PARTICULATE DATA						
Upwind			Downwind			Exceeds Particulate Alarm Limits
Time	PM 10 (mg/m^3)	15-Minute Average	Time	PM 10 (mg/m^3)	15-Minute Average	
14:05	0.007	0.007	14:05	0.009	0.008	-
14:06	0.007	0.007	14:06	0.009	0.008	-
14:07	0.007	0.007	14:07	0.008	0.008	-
14:08	0.005	0.007	14:08	0.007	0.009	-
14:09	0.005	0.006	14:09	0.007	0.009	-
14:10	0.013	0.007	14:10	0.007	0.009	-
14:11	0.009	0.007	14:11	0.008	0.009	-
14:12	0.007	0.007	14:12	0.008	0.009	-
14:13	0.007	0.007	14:13	0.007	0.009	-
14:14	0.007	0.007	14:14	0.008	0.009	-
14:15	0.007	0.007	14:15	0.008	0.009	-
14:16	0.007	0.007	14:16	0.007	0.008	-
14:17	0.006	0.007	14:17	0.007	0.008	-
14:18	0.006	0.007	14:18	0.006	0.008	-
14:19	0.006	0.007	14:19	0.006	0.008	-
14:20	0.006	0.007	14:20	0.007	0.008	-
14:21	0.007	0.007	14:21	0.007	0.008	-
14:22	0.007	0.007	14:22	0.007	0.008	-
14:23	0.007	0.007	14:23	0.008	0.007	-
14:24	0.007	0.007	14:24	0.007	0.007	-
14:25	0.007	0.007	14:25	0.007	0.007	-
14:26	0.006	0.007	14:26	0.007	0.007	-
14:27	0.006	0.007	14:27	0.006	0.007	-
14:28	0.006	0.007	14:28	0.005	0.007	-
14:29	0.006	0.006	14:29	0.007	0.007	-
14:30	0.006	0.006	14:30	0.009	0.007	-
14:31	0.008	0.006	14:31	0.009	0.007	-
14:32	0.008	0.007	14:32	0.009	0.007	-
14:33	0.007	0.007	14:33	0.009	0.007	-
14:34	0.007	0.007	14:34	0.010	0.007	-
14:35	0.007	0.007	14:35	0.009	0.007	-
14:36	0.006	0.007	14:36	0.008	0.007	-
14:37	0.005	0.007	14:37	0.008	0.007	-
14:38	0.005	0.006	14:38	0.006	0.008	-
14:39	0.006	0.006	14:39	0.006	0.008	-
14:40	0.006	0.006	14:40	0.008	0.008	-
14:41	0.005	0.006	14:41	0.010	0.008	-
14:42	0.005	0.006	14:42	0.009	0.008	-
14:43	0.005	0.006	14:43	0.008	0.008	-
14:44	0.007	0.006	14:44	0.010	0.008	-

December 17, 2021						
					Number of Instances Where Downwind VOCs Exceeds Upwind VOCs + 5ppm =	0
					Number of Comparable Data Points =	398
PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
8:05	0.0		8:05	0.0		
8:06	0.0		8:06	0.0		
8:07	0.0		8:07	0.0		
8:08	0.0		8:08	0.0		
8:09	0.0		8:09	0.0		
8:10	0.0		8:10	0.0		
8:11	0.0		8:11	0.0		
8:12	0.0		8:12	0.0		
8:13	0.0		8:13	0.0		
8:14	0.0		8:14	0.0		
8:15	0.0		8:15	0.0		
8:16	0.0		8:16	0.0		
8:17	0.0		8:17	0.0		
8:18	0.0		8:18	0.0		
8:19	0.0	0.0	8:19	0.0	0.0	-
8:20	0.0	0.0	8:20	0.0	0.0	-
8:21	0.0	0.0	8:21	0.0	0.0	-
8:22	0.0	0.0	8:22	0.0	0.0	-
8:23	0.0	0.0	8:23	0.0	0.0	-
8:24	0.0	0.0	8:24	0.0	0.0	-
8:25	0.0	0.0	8:25	0.0	0.0	-
8:26	0.0	0.0	8:26	0.0	0.0	-
8:27	0.0	0.0	8:27	0.0	0.0	-
8:28	0.0	0.0	8:28	0.0	0.0	-
8:29	0.0	0.0	8:29	0.0	0.0	-
8:30	0.0	0.0	8:30	0.0	0.0	-
8:31	0.0	0.0	8:31	0.0	0.0	-
8:32	0.1	0.0	8:32	0.0	0.0	-
8:33	0.1	0.0	8:33	0.0	0.0	-
8:34	0.1	0.0	8:34	0.0	0.0	-
8:35	0.1	0.0	8:35	0.0	0.0	-
8:36	0.1	0.0	8:36	0.0	0.0	-
8:37	0.1	0.0	8:37	0.0	0.0	-
8:38	0.1	0.0	8:38	0.0	0.0	-
8:39	0.1	0.1	8:39	0.0	0.0	-
8:40	0.1	0.1	8:40	0.0	0.0	-
8:41	0.1	0.1	8:41	0.0	0.0	-
8:42	0.1	0.1	8:42	0.0	0.0	-
8:43	0.1	0.1	8:43	0.0	0.0	-
8:44	0.1	0.1	8:44	0.0	0.0	-
8:45	0.1	0.1	8:45	0.0	0.0	-
8:46	0.1	0.1	8:46	0.0	0.0	-
8:47	0.1	0.1	8:47	0.0	0.0	-
8:48	0.1	0.1	8:48	0.0	0.0	-
8:49	0.1	0.1	8:49	0.0	0.0	-
8:50	0.1	0.1	8:50	0.0	0.0	-
8:51	0.1	0.1	8:51	0.0	0.0	-
8:52	0.1	0.1	8:52	0.0	0.0	-
8:53	0.1	0.1	8:53	0.0	0.0	-
8:54	0.1	0.1	8:54	0.0	0.0	-
8:55	0.1	0.1	8:55	0.0	0.0	-
8:56	0.1	0.1	8:56	0.0	0.0	-
8:57	0.1	0.1	8:57	0.0	0.0	-
8:58	0.1	0.1	8:58	0.0	0.0	-
8:59	0.1	0.1	8:59	0.0	0.0	-
9:00	0.1	0.1	9:00	0.0	0.0	-
9:01	0.1	0.1	9:01	0.0	0.0	-
9:02	0.1	0.1	9:02	0.0	0.0	-
9:03	0.1	0.1	9:03	0.0	0.0	-
9:04	0.1	0.1	9:04	0.0	0.0	-
9:05	0.1	0.1	9:05	0.0	0.0	-
9:06	0.1	0.1	9:06	0.0	0.0	-
9:07	0.1	0.1	9:07	0.0	0.0	-
9:08	0.1	0.1	9:08	0.0	0.0	-
9:09	0.2	0.1	9:09	0.0	0.0	-
9:10	0.2	0.1	9:10	0.0	0.0	-
9:11	0.2	0.1	9:11	0.0	0.0	-
9:12	0.2	0.1	9:12	0.0	0.0	-
9:13	0.2	0.1	9:13	0.0	0.0	-
9:14	0.2	0.1	9:14	0.0	0.0	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
9:15	0.2	0.1	9:15	0.0	0.0	-
9:16	0.2	0.2	9:16	0.0	0.0	-
9:17	0.1	0.2	9:17	0.0	0.0	-
9:20	0.2	0.2	9:20	0.1	0.0	-
9:21	0.2	0.2	9:21	0.1	0.0	-
9:22	0.2	0.2	9:22	0.1	0.0	-
9:23	0.2	0.2	9:23	0.1	0.0	-
9:24	0.2	0.2	9:24	0.1	0.0	-
9:25	0.2	0.2	9:25	0.1	0.0	-
9:26	0.2	0.2	9:26	0.1	0.0	-
9:27	0.2	0.2	9:27	0.0	0.0	-
9:28	0.2	0.2	9:28	0.1	0.0	-
9:29	0.2	0.2	9:29	0.1	0.0	-
9:30	0.2	0.2	9:30	0.1	0.0	-
9:31	0.2	0.2	9:31	0.1	0.0	-
9:32	0.2	0.2	9:32	0.1	0.0	-
9:33	0.2	0.2	9:33	0.1	0.1	-
9:34	0.2	0.2	9:34	0.1	0.1	-
9:35	0.2	0.2	9:35	0.1	0.1	-
9:36	0.2	0.2	9:36	0.1	0.1	-
9:37	0.2	0.2	9:37	0.1	0.1	-
9:38	0.2	0.2	9:38	0.1	0.1	-
9:39	0.2	0.2	9:39	0.1	0.1	-
9:40	0.2	0.2	9:40	0.1	0.1	-
9:41	0.2	0.2	9:41	0.1	0.1	-
9:42	0.2	0.2	9:42	0.1	0.1	-
9:43	0.2	0.2	9:43	0.1	0.1	-
9:44	0.2	0.2	9:44	0.1	0.1	-
9:45	0.2	0.2	9:45	0.1	0.1	-
9:46	0.2	0.2	9:46	0.1	0.1	-
9:47	0.2	0.2	9:47	0.1	0.1	-
9:48	0.2	0.2	9:48	0.1	0.1	-
9:49	0.2	0.2	9:49	0.1	0.1	-
9:50	0.2	0.2	9:50	0.1	0.1	-
9:51	0.2	0.2	9:51	0.1	0.1	-
9:52	0.2	0.2	9:52	0.1	0.1	-
9:53	0.2	0.2	9:53	0.1	0.1	-
9:54	0.2	0.2	9:54	0.1	0.1	-
9:55	0.2	0.2	9:55	0.1	0.1	-
9:56	0.2	0.2	9:56	0.1	0.1	-
9:57	0.2	0.2	9:57	0.1	0.1	-
9:58	0.2	0.2	9:58	0.1	0.1	-
9:59	0.2	0.2	9:59	0.1	0.1	-
10:00	0.2	0.2	10:00	0.1	0.1	-
10:01	0.2	0.2	10:01	0.1	0.1	-
10:02	0.2	0.2	10:02	0.1	0.1	-
10:03	0.2	0.2	10:03	0.1	0.1	-
10:04	0.2	0.2	10:04	0.1	0.1	-
10:05	0.2	0.2	10:05	0.1	0.1	-
10:06	0.2	0.2	10:06	0.1	0.1	-
10:07	0.2	0.2	10:07	0.1	0.1	-
10:08	0.2	0.2	10:08	0.1	0.1	-
10:09	0.2	0.2	10:09	0.1	0.1	-
10:10	0.2	0.2	10:10	0.1	0.1	-
10:11	0.2	0.2	10:11	0.1	0.1	-
10:12	0.2	0.2	10:12	0.1	0.1	-
10:13	0.2	0.2	10:13	0.1	0.1	-
10:14	0.2	0.2	10:14	0.1	0.1	-
10:15	0.2	0.2	10:15	0.1	0.1	-
10:16	0.2	0.2	10:16	0.1	0.1	-
10:17	0.2	0.2	10:17	0.1	0.1	-
10:18	0.2	0.2	10:18	0.1	0.1	-
10:19	0.2	0.2	10:19	0.1	0.1	-
10:20	0.2	0.2	10:20	0.1	0.1	-
10:21	0.2	0.2	10:21	0.1	0.1	-
10:22	0.2	0.2	10:22	0.1	0.1	-
10:23	0.2	0.2	10:23	0.1	0.1	-
10:24	0.2	0.2	10:24	0.1	0.1	-
10:25	0.2	0.2	10:25	0.1	0.1	-
10:26	0.2	0.2	10:26	0.1	0.1	-
10:27	0.2	0.2	10:27	0.1	0.1	-
10:28	0.2	0.2	10:28	0.1	0.1	-
10:29	0.2	0.2	10:29	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
10:30	0.2	0.2	10:30	0.1	0.1	-
10:31	0.2	0.2	10:31	0.1	0.1	-
10:32	0.2	0.2	10:32	0.1	0.1	-
10:33	0.2	0.2	10:33	0.1	0.1	-
10:34	0.2	0.2	10:34	0.1	0.1	-
10:35	0.2	0.2	10:35	0.1	0.1	-
10:36	0.2	0.2	10:36	0.1	0.1	-
10:37	0.2	0.2	10:37	0.1	0.1	-
10:38	0.2	0.2	10:38	0.1	0.1	-
10:39	0.2	0.2	10:39	0.1	0.1	-
10:40	0.2	0.2	10:40	0.1	0.1	-
10:41	0.2	0.2	10:41	0.1	0.1	-
10:42	0.2	0.2	10:42	0.1	0.1	-
10:43	0.2	0.2	10:43	0.1	0.1	-
10:44	0.2	0.2	10:44	0.1	0.1	-
10:45	0.2	0.2	10:45	0.1	0.1	-
10:46	0.2	0.2	10:46	0.1	0.1	-
10:47	0.2	0.2	10:47	0.1	0.1	-
10:48	0.2	0.2	10:48	0.1	0.1	-
10:49	0.2	0.2	10:49	0.1	0.1	-
10:50	0.2	0.2	10:50	0.1	0.1	-
10:51	0.2	0.2	10:51	0.1	0.1	-
10:52	0.2	0.2	10:52	0.1	0.1	-
10:53	0.2	0.2	10:53	0.1	0.1	-
10:54	0.2	0.2	10:54	0.1	0.1	-
10:55	0.2	0.2	10:55	0.1	0.1	-
10:56	0.2	0.2	10:56	0.1	0.1	-
10:57	0.2	0.2	10:57	0.1	0.1	-
10:58	0.2	0.2	10:58	0.1	0.1	-
10:59	0.2	0.2	10:59	0.1	0.1	-
11:00	0.2	0.2	11:00	0.1	0.1	-
11:01	0.3	0.2	11:01	0.1	0.1	-
11:02	0.2	0.2	11:02	0.1	0.1	-
11:03	0.2	0.2	11:03	0.1	0.1	-
11:04	0.3	0.2	11:04	0.1	0.1	-
11:05	0.3	0.2	11:05	0.1	0.1	-
11:06	0.2	0.2	11:06	0.1	0.1	-
11:07	0.2	0.2	11:07	0.1	0.1	-
11:08	0.3	0.2	11:08	0.1	0.1	-
11:09	0.3	0.2	11:09	0.1	0.1	-
11:10	0.3	0.2	11:10	0.1	0.1	-
11:11	0.3	0.2	11:11	0.1	0.1	-
11:12	0.3	0.3	11:12	0.1	0.1	-
11:13	0.3	0.3	11:13	0.1	0.1	-
11:14	0.3	0.3	11:14	0.1	0.1	-
11:15	0.3	0.3	11:15	0.1	0.1	-
11:16	0.3	0.3	11:16	0.1	0.1	-
11:17	0.3	0.3	11:17	0.1	0.1	-
11:18	0.3	0.3	11:18	0.1	0.1	-
11:19	0.3	0.3	11:19	0.1	0.1	-
11:20	0.3	0.3	11:20	0.1	0.1	-
11:21	0.3	0.3	11:21	0.1	0.1	-
11:22	0.3	0.3	11:22	0.1	0.1	-
11:23	0.3	0.3	11:23	0.1	0.1	-
11:24	0.3	0.3	11:24	0.1	0.1	-
11:25	0.3	0.3	11:25	0.1	0.1	-
11:26	0.3	0.3	11:26	0.1	0.1	-
11:27	0.3	0.3	11:27	0.1	0.1	-
11:28	0.3	0.3	11:28	0.1	0.1	-
11:29	0.3	0.3	11:29	0.1	0.1	-
11:30	0.3	0.3	11:30	0.1	0.1	-
11:31	0.3	0.3	11:31	0.1	0.1	-
11:32	0.3	0.3	11:32	0.1	0.1	-
11:33	0.3	0.3	11:33	0.1	0.1	-
11:34	0.3	0.3	11:34	0.1	0.1	-
11:35	0.3	0.3	11:35	0.1	0.1	-
11:36	0.3	0.3	11:36	0.1	0.1	-
11:37	0.3	0.3	11:37	0.1	0.1	-
11:38	0.3	0.3	11:38	0.1	0.1	-
11:39	0.3	0.3	11:39	0.1	0.1	-
11:40	0.3	0.3	11:40	0.1	0.1	-
11:41	0.3	0.3	11:41	0.1	0.1	-
11:42	0.3	0.3	11:42	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
11:43	0.3	0.3	11:43	0.1	0.1	-
11:44	0.3	0.3	11:44	0.1	0.1	-
11:45	0.3	0.3	11:45	0.1	0.1	-
11:46	0.3	0.3	11:46	0.1	0.1	-
11:47	0.3	0.3	11:47	0.1	0.1	-
11:48	0.3	0.3	11:48	0.1	0.1	-
11:49	0.3	0.3	11:49	0.1	0.1	-
11:50	0.3	0.3	11:50	0.1	0.1	-
11:51	0.3	0.3	11:51	0.1	0.1	-
11:52	0.3	0.3	11:52	0.1	0.1	-
11:53	0.3	0.3	11:53	0.1	0.1	-
11:54	0.3	0.3	11:54	0.1	0.1	-
11:55	0.3	0.3	11:55	0.1	0.1	-
11:56	0.3	0.3	11:56	0.1	0.1	-
11:57	0.3	0.3	11:57	0.1	0.1	-
11:58	0.3	0.3	11:58	0.1	0.1	-
11:59	0.3	0.3	11:59	0.1	0.1	-
12:00	0.3	0.3	12:00	0.1	0.1	-
12:01	0.3	0.3	12:01	0.1	0.1	-
12:02	0.3	0.3	12:02	0.1	0.1	-
12:03	0.3	0.3	12:03	0.1	0.1	-
12:04	0.3	0.3	12:04	0.1	0.1	-
12:05	0.3	0.3	12:05	0.1	0.1	-
12:06	0.3	0.3	12:06	0.1	0.1	-
12:07	0.3	0.3	12:07	0.1	0.1	-
12:08	0.3	0.3	12:08	0.1	0.1	-
12:09	0.3	0.3	12:09	0.1	0.1	-
12:10	0.3	0.3	12:10	0.1	0.1	-
12:11	0.3	0.3	12:11	0.1	0.1	-
12:12	0.3	0.3	12:12	0.1	0.1	-
12:13	0.3	0.3	12:13	0.1	0.1	-
12:14	0.3	0.3	12:14	0.1	0.1	-
12:15	0.3	0.3	12:15	0.1	0.1	-
12:16	0.3	0.3	12:16	0.1	0.1	-
12:17	0.3	0.3	12:17	0.1	0.1	-
12:18	0.3	0.3	12:18	0.1	0.1	-
12:19	0.3	0.3	12:19	0.1	0.1	-
12:20	0.3	0.3	12:20	0.1	0.1	-
12:21	0.3	0.3	12:21	0.1	0.1	-
12:22	0.3	0.3	12:22	0.1	0.1	-
12:23	0.3	0.3	12:23	0.1	0.1	-
12:24	0.3	0.3	12:24	0.1	0.1	-
12:25	0.3	0.3	12:25	0.1	0.1	-
12:26	0.3	0.3	12:26	0.1	0.1	-
12:27	0.3	0.3	12:27	0.1	0.1	-
12:28	0.3	0.3	12:28	0.1	0.1	-
12:29	0.3	0.3	12:29	0.1	0.1	-
12:30	0.3	0.3	12:30	0.1	0.1	-
12:31	0.3	0.3	12:31	0.1	0.1	-
12:32	0.3	0.3	12:32	0.1	0.1	-
12:33	0.3	0.3	12:33	0.1	0.1	-
12:34	0.3	0.3	12:34	0.1	0.1	-
12:35	0.3	0.3	12:35	0.1	0.1	-
12:36	0.3	0.3	12:36	0.1	0.1	-
12:37	0.3	0.3	12:37	0.1	0.1	-
12:38	0.3	0.3	12:38	0.1	0.1	-
12:39	0.3	0.3	12:39	0.1	0.1	-
12:40	0.3	0.3	12:40	0.1	0.1	-
12:41	0.3	0.3	12:41	0.1	0.1	-
12:42	0.3	0.3	12:42	0.1	0.1	-
12:43	0.3	0.3	12:43	0.1	0.1	-
12:44	0.3	0.3	12:44	0.1	0.1	-
12:45	0.3	0.3	12:45	0.1	0.1	-
12:46	0.3	0.3	12:46	0.1	0.1	-
12:47	0.3	0.3	12:47	0.1	0.1	-
12:48	0.3	0.3	12:48	0.1	0.1	-
12:49	0.3	0.3	12:49	0.1	0.1	-
12:50	0.3	0.3	12:50	0.1	0.1	-
12:51	0.3	0.3	12:51	0.1	0.1	-
12:52	0.3	0.3	12:52	0.1	0.1	-
12:53	0.3	0.3	12:53	0.1	0.1	-
12:54	0.3	0.3	12:54	0.1	0.1	-
12:55	0.3	0.3	12:55	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
12:56	0.3	0.3	12:56	0.1	0.1	-
12:57	0.3	0.3	12:57	0.1	0.1	-
12:58	0.3	0.3	12:58	0.1	0.1	-
12:59	0.3	0.3	12:59	0.1	0.1	-
13:00	0.3	0.3	13:00	0.1	0.1	-
13:01	0.3	0.3	13:01	0.1	0.1	-
13:02	0.2	0.3	13:02	0.1	0.1	-
13:03	0.2	0.3	13:03	0.1	0.1	-
13:04	0.2	0.3	13:04	0.1	0.1	-
13:05	0.2	0.3	13:05	0.1	0.1	-
13:06	0.2	0.3	13:06	0.1	0.1	-
13:07	0.2	0.3	13:07	0.1	0.1	-
13:08	0.2	0.3	13:08	0.1	0.1	-
13:09	0.2	0.2	13:09	0.1	0.1	-
13:10	0.2	0.2	13:10	0.1	0.1	-
13:11	0.2	0.2	13:11	0.1	0.1	-
13:12	0.2	0.2	13:12	0.1	0.1	-
13:13	0.2	0.2	13:13	0.1	0.1	-
13:14	0.2	0.2	13:14	0.1	0.1	-
13:15	0.2	0.2	13:15	0.1	0.1	-
13:16	0.2	0.2	13:16	0.1	0.1	-
13:17	0.2	0.2	13:17	0.1	0.1	-
13:18	0.2	0.2	13:18	0.1	0.1	-
13:19	0.2	0.2	13:19	0.1	0.1	-
13:20	0.2	0.2	13:20	0.1	0.1	-
13:21	0.2	0.2	13:21	0.1	0.1	-
13:22	0.2	0.2	13:22	0.1	0.1	-
13:23	0.2	0.2	13:23	0.1	0.1	-
13:24	0.2	0.2	13:24	0.1	0.1	-
13:25	0.2	0.2	13:25	0.1	0.1	-
13:26	0.2	0.2	13:26	0.1	0.1	-
13:27	0.2	0.2	13:27	0.1	0.1	-
13:28	0.2	0.2	13:28	0.1	0.1	-
13:29	0.2	0.2	13:29	0.1	0.1	-
13:30	0.2	0.2	13:30	0.1	0.1	-
13:31	0.2	0.2	13:31	0.1	0.1	-
13:32	0.2	0.2	13:32	0.1	0.1	-
13:33	0.2	0.2	13:33	0.1	0.1	-
13:34	0.2	0.2	13:34	0.1	0.1	-
13:35	0.2	0.2	13:35	0.1	0.1	-
13:36	0.2	0.2	13:36	0.1	0.1	-
13:37	0.2	0.2	13:37	0.1	0.1	-
13:38	0.2	0.2	13:38	0.1	0.1	-
13:39	0.2	0.2	13:39	0.1	0.1	-
13:40	0.2	0.2	13:40	0.1	0.1	-
13:41	0.2	0.2	13:41	0.1	0.1	-
13:42	0.2	0.2	13:42	0.1	0.1	-
13:43	0.2	0.2	13:43	0.1	0.1	-
13:44	0.2	0.2	13:44	0.1	0.1	-
13:45	0.2	0.2	13:45	0.1	0.1	-
13:46	0.2	0.2	13:46	0.1	0.1	-
13:47	0.2	0.2	13:47	0.1	0.1	-
13:48	0.2	0.2	13:48	0.1	0.1	-
13:49	0.2	0.2	13:49	0.1	0.1	-
13:50	0.2	0.2	13:50	0.1	0.1	-
13:51	0.2	0.2	13:51	0.1	0.1	-
13:52	0.2	0.2	13:52	0.1	0.1	-
13:53	0.2	0.2	13:53	0.1	0.1	-
13:54	0.2	0.2	13:54	0.1	0.1	-
13:55	0.2	0.2	13:55	0.1	0.1	-
13:56	0.2	0.2	13:56	0.1	0.1	-
13:57	0.2	0.2	13:57	0.1	0.1	-
13:58	0.2	0.2	13:58	0.1	0.1	-
13:59	0.2	0.2	13:59	0.1	0.1	-
14:00	0.2	0.2	14:00	0.1	0.1	-
14:01	0.2	0.2	14:01	0.1	0.1	-
14:02	0.2	0.2	14:02	0.1	0.1	-
14:03	0.2	0.2	14:03	0.1	0.1	-
14:04	0.2	0.2	14:04	0.1	0.1	-
14:05	0.2	0.2	14:05	0.1	0.1	-
14:06	0.2	0.2	14:06	0.1	0.1	-
14:07	0.2	0.2	14:07	0.1	0.1	-
14:08	0.2	0.2	14:08	0.1	0.1	-

PID DATA						
Upwind			Downwind			Exceeds VOCs Alarm Limits
Time	VOC (ppm)	15-Minute Average	Time	VOC (ppm)	15-Minute Average	
14:09	0.2	0.2	14:09	0.1	0.1	-
14:10	0.2	0.2	14:10	0.1	0.1	-
14:11	0.2	0.2	14:11	0.1	0.1	-
14:12	0.2	0.2	14:12	0.1	0.1	-
14:13	0.2	0.2	14:13	0.1	0.1	-
14:14	0.2	0.2	14:14	0.1	0.1	-
14:15	0.2	0.2	14:15	0.1	0.1	-
14:16	0.2	0.2	14:16	0.1	0.1	-
14:17	0.2	0.2	14:17	0.1	0.1	-
14:18	0.2	0.2	14:18	0.1	0.1	-
14:19	0.2	0.2	14:19	0.1	0.1	-
14:20	0.2	0.2	14:20	0.1	0.1	-
14:21	0.2	0.2	14:21	0.1	0.1	-
14:22	0.2	0.2	14:22	0.1	0.1	-
14:23	0.2	0.2	14:23	0.1	0.1	-
14:24	0.2	0.2	14:24	0.1	0.1	-
14:25	0.2	0.2	14:25	0.1	0.1	-
14:26	0.2	0.2	14:26	0.1	0.1	-
14:27	0.2	0.2	14:27	0.1	0.1	-
14:28	0.2	0.2	14:28	0.1	0.1	-
14:29	0.2	0.2	14:29	0.1	0.1	-
14:30	0.2	0.2	14:30	0.1	0.1	-
14:31	0.2	0.2	14:31	0.1	0.1	-
14:32	0.2	0.2	14:32	0.1	0.1	-
14:33	0.2	0.2	14:33	0.1	0.1	-
14:34	0.2	0.2	14:34	0.1	0.1	-
14:35	0.2	0.2	14:35	0.1	0.1	-
14:36	0.2	0.2	14:36	0.1	0.1	-
14:37	0.2	0.2	14:37	0.1	0.1	-
14:38	0.2	0.2	14:38	0.1	0.1	-
14:39	0.2	0.2	14:39	0.1	0.1	-
14:40	0.2	0.2	14:40	0.1	0.1	-
14:41	0.2	0.2	14:41	0.1	0.1	-
14:42	0.2	0.2	14:42	0.1	0.1	-
14:43	0.2	0.2	14:43	0.1	0.1	-
14:44	0.2	0.2	14:44	0.1	0.1	-
14:45	0.2	0.2	14:45	0.1	0.1	-
14:46	0.2	0.2	14:46	0.1	0.1	-
14:47	0.2	0.2	14:47	0.1	0.1	-
14:48	0.2	0.2	14:48	0.1	0.1	-
14:49	0.2	0.2	14:49		0.1	-
14:50	0.2	0.2	14:50		0.1	-
14:51	0.2	0.2	14:51		0.1	-
14:52	0.2	0.2	14:52		0.1	-
14:53	0.2	0.2	14:53		0.1	-
14:54	0.2	0.2	14:54		0.1	-
14:55	0.2	0.2	14:55		0.1	-
14:56	0.2	0.2	14:56		0.1	-

ATTACHMENT B
Soil Boring Logs

LANGAN

Log of Boring **EP-01** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 20.41 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/16/21 — Date Finished: 12/16/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 16 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 4, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 6, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+20.4	R1 (0-30") Brown to dark brown gravelly fine SAND, some silt, concrete, brick, terracotta (moist)[FILL]	0	R-1	Macrocore	30/48		0.4	Sample EP01_0-2 collected
		1					3.2	
							6.4	
		2					7.4	
							7.4	
		3						
		4						
	R2A (0-24") Dark brown gravelly fine SAND, some silt, brick (wet)[FILL]	5	R-2	Macrocore	36/48		11.8	Sample EP01_5-7 collected
							11.2	
		6 ▽					12.2	
							14.5	
	R2B (24-36") Orangish brown gravelly fine SAND, some silt, trace coarse sand (moist)[FILL]	7					56.5	
							55.0	
		8						
		9						
	R3A (0-13") Orangish brown gravelly fine SAND, some silt, trace coarse sand, (fine to coarse gravel) (moist)[FILL]	10	R-3	Macrocore	22/48		7.1	
		11					12.8	
	R3B (13-22") Black sandy fine GRAVEL, trace silt, slag (wet)[FILL]	12					370.6	Petroleum-like odors and black staining observed from about 11.5 ft to 16 ft bgs
	R4A (0-10") Gray sandy fine GRAVEL, some silt, slag, failed shake test (wet)[FILL]	13	R-4	Macrocore	36/48		240.3	
							723.0	
	R4B (10-36") Black sandy fine GRAVEL, trace silt, slag, coal (wet)[FILL]	14					220.3	
							237.0	
		15					230.0	
+4.4		16						E.O.B. at 16'. Backfilled with non-impacted drill cuttings and No. 2 sand to the surrounding grade. Temporary soil vapor point SV01 was installed to about 3' bgs and was removed after sample collection.
		17						
		18						
		19						
		20						

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:36:42 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **EP-02** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 16.29 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/15/21 / Date Finished: 12/15/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 16 ft / Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 4, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First 5.5, Completion N/A, 24 HR. N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Elev. (ft)	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+16.3	R1 (0-32") Gray to dark brown fine SAND, some silt, some fine gravel, concrete, coal, slag (dry)[FILL]	R-1	Macrocore	32/48		0.1, 0.1, 5.6, 7.5, 1.6, 5.4	Sample EP02_0-2 collected
	R2A (0-16") Dark brown fine SAND, trace silt, brick, coal (moist)[FILL]	R-2	Macrocore	38/48		7.2, 5.5, 12.6, 255.3, 273.1, 227.1, 328.5	Sample EP02_5-7 collected
	R2B (16-38") Black SAND, trace silt, trace coarse sand, slag, coal (wet)[FILL]						
	R3 (0-42") Black fine SAND, some coarse sand, some fine gravel, trace silt, coal, slag (wet)[FILL]	R-3	Macrocore	42/48		127.0, 381.6, 349.9, 410.5, 625.0, 650.0	
	R4A (0-20") Black coarse SAND, some fine gravel, trace fine sand, wood, slag, coal (wet)[FILL]	R-4	Macrocore	42/48		370.0, 720.2, 1098, 2863, 1675, 3135, 1588	
	R4B (20-42")Black fine SAND, some silt, trace fine gravel, wood, coal tar impacts (wet)[FILL]						Black staininig observed from 14' to 16' bgs
+0.3							E.O.B. at 16'. Monitoring well 459-MW02 installed to 16' bgs, screened from 6' to 16' bgs. Temporary soil vapor point SV02 was installed to about 4' bgs and was removed after sample collection.

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:36:43 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **EP-03** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 16.31 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/17/21 / Date Finished: 12/17/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 16 ft / Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 4, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First 3, Completion N/A, 24 HR. N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Elev. (ft)	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+16.3	R1 (0-26") Brown to dark brown fine SAND, some fine gravel, trace silt, Coal, brick, concrete (wet)[FILL]	R-1	Macrocore	26/48		0.0, 0.0, 0.0, 0.0	Sample EP03_0-2 collected; Sample EP03_3-5 collected
	R2 (0-20") Brown to tan fine SAND, some fine gravel, trace silt, Coal, brick (moist)[FILL]	R-2	Macrocore	20/48		0.0, 0.0, 5.1, 12.5	
	R3 (0-10") Brown to dark brown fine SAND, some silt, trace fine gravel, Coal, metal (wet)[FILL]	R-3	Macrocore	10/48		17, 50.1	Petroleum-like odor and black staining observed from about 11 ft to 12 ft bgs
	R4 (0-46") Orangish brown silty fine SAND, trace fine gravel (wet)[FILL]	R-4	Macrocore	46/48		0.0, 0.0, 0.0, 0.0, 0.0, 3.1	
+0.3							E.O.B. at 16'. Backfilled with non-impacted drill cuttings and No. 2 sand to the surrounding grade. Temporary soil vapor point SV03 was installed to about 1.5' bgs and was removed after sample collection.

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:36:45 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **EP-04** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 15.83 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/16/21 — Date Finished: 12/16/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 12 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 3, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 7, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+15.8	R1 (0-37") Brown to dark brown fine SAND, trace silt, trace gravel, coal, concrete, brick (moist)[FILL]	0						Sample EP04_0-2 collected
		1	R-1	Macrocore	37/48		0.0	
		2					0.0	
		3					0.0	
		4					0.0	
		5	R-2	Macrocore	37/48		0.0	
	R2 (0-37") Brown to dark brown fine SAND, trace silt, trace gravel, Brick, coal (moist)[FILL]	6					0.0	Sample EP04_6-8 collected
		7 ▽					0.0	
		8	R-3	Macrocore	42/48		0.0	
	R3A (0-28") Orangish brown silty fine SAND, trace fine gravel (wet)[FILL]	9					0.0	
	R3B (28-42") Dark brown silty fine SAND, some gravel (wet)[FILL]	10					0.0	
		11					0.0	
+3.8		12						E.O.B. at 12'. Backfilled with non-impacted drill cuttings and No. 2 sand to the surrounding grade. Temporary soil vapor point SV04 was installed to about 5' bgs and was removed after sample collection.
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:36:46 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **EP-05** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 13.72 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/15/21 / Date Finished: 12/15/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 12 ft / Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 3, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 7.5, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Elev. (ft)	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+13.7	R1A (0-16") Light brown fine SAND, some gravel, trace silt, brick, coal (dry)[FILL]	R-1	Macrocore	42/48		4.3, 4.7, 5.3	Sample EP05_0-2 collected; Sample SODUP02_121521 collected
	R1B (16-42") Black fine SAND, trace silt, trace fine gravel, coal, wood (dry)[FILL]					4.1, 8.1, 282.2	Sample EP05_2-3 collected
						8.2, 503	Petroleum-like odors, black staining and sheen observed form about 3.5 ft to 12 ft bgs
	R2A (0-12") Light brown fine SAND, trace silt, trace fine gravel (dry)[FILL]	R-2	Macrocore	36/48		268.0, 307.2	
	R2B (12-36") Black fine SAND, some silt, some fine gravel, glass, brick (wet)[FILL]					276.4	Sample EP05_6-8 collected
	R3A (0-25") Black silty fine SAND, some fine gravel, slag, sheen (wet)[FILL]	R-3	Macrocore	36/48		334, 642.2, 126.3, 107.2	
	R3B (25-32") Brown fine SAND, some silt (wet)[FILL]					144.0, 124.0	
+1.7	R3C (32-36) Black fine SAND, trace silt, trace fine gravel (wet)[FILL]						E.O.B. at 12'. Monitoring well 459-MW05 installed to 12' bgs, screened from 2' to 12' bgs. Temporary soil vapor point SV05 was installed to about 5' bgs and was removed after sample collection.

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:36:47 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **EP-06** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 17.21 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/16/21 — Date Finished: 12/16/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 16 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 4, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 10, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Elev. (ft)	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+17.2	R1 (0-43") Brown to dark brown gravelly fine SAND, trace silt, Brick, concrete, (dry)[FILL]	R-1	Macrocore	43/48		4.9, 13.1, 27.5, 33.4, 67.9, 65.8, 147.9	Sample EP06_0-2 collected
	R2A (0-36") Brown to dark brown gravelly fine SAND, trace silt, Glass, brick (dry)[FILL]	R-2	Macrocore	45/48		69.6, 28.3, 108.4, 73.8, 51.8, 40.3, 646.4	Petroleum-like odor observed from about 7 ft to 16 ft bgs
	R2B (36-45") (Black fine SAND, trace silt, trace fine gravel (moist)[FILL]						
	R3 (0-22") Black sandy fine GRAVEL, trace silt, Wood, coal, slag (wet)[FILL]	R-3	Macrocore	34/48		5.6, 3.2, 42.8, 842.6, 1001.1	Sample EP06_9-11 collected
	R3B (22-34") Black fine SAND, trace silt, Wood (wet)[FILL]						
	R4A (0-28") Black sandy fine GRAVEL, trace silt, Slag, (wet)[FILL]	R-4	Macrocore	46/48		785.8, 1083, 364.8, 656.3, 158.3, 128.3	
+2.7	R4B (28-46") Gray CLAY (wet)[CL]						
+1.2							E.O.B. at 16'. Backfilled with non-impacted drill cuttings and No. 2 sand to the surrounding grade. Temporary soil vapor point SV06 was installed to about 8' bgs and was removed after sample collection.

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:36:49 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **EP-07** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 16.03 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/16/21 / Date Finished: 12/16/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 16 ft / Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 4, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 10, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Elev. (ft)	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+16.0	R1 (0-36") Brown to dark brown gravelly fine SAND, some silt, brick, concrete (dry)[FILL]	0	R-1	Macrocore	36/48		3.0	Sample EP07_0-2 collected
		1					1.8	
							40.0	
		2					15.0	
							7.7	
		3						
		4						
	R2A (0-12") Brown gravelly fine SAND, some silt, brick (dry)[FILL]	5	R-2	Macrocore	44/48		44.9	
							7.3	
	R2B (12-44") Dark brown gravelly fine SAND, trace silt, slag, coal (wet)[FILL]	6					335.2	
							772.0	
		7					1160	
							295	
							35.3	
	R3A (0-32") Black fine SAND, some fine gravel, trace silt, slag, glass ceramics, (wet)[FILL]	8	R-3	Macrocore	48/48		397	
		9					34.2	Sample EP07_9-11 collected
							380	
		10 ▽					645	Petroleum-like odors and black staining observed at about 10 ft to 16 ft bgs
							676	
	R3B (32-38") Orangish brown gravelly fine SAND, trace silt, brick (wet)[FILL]	11					670	
	R3C (38-48") Black sandy fine GRAVEL, trace silt, slag (wet)[FILL]						686	
	R4A (0-12") Black sandy fine GRAVEL, trace silt, slag (wet)[FILL]	12	R-4	Macrocore	48/48		1221	
	R4B (12-30") Orangish brown fine SAND, trace silt (wet)[FILL]	13					1222	
							1073	
		14					910	
+1.5	R4C (30-48") Gray CLAY, sheen (wet)[CL]						890	
		15					563	
							1503	
0.0		16						E.O.B. at 16'. Backfilled with non-impacted drill cuttings and No. 2 sand to the surrounding grade. Temporary soil vapor point SV07 was installed to about 7.5' bgs and was removed after sample collection.
		17						
		18						
		19						
		20						

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:36:50 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **EP-08** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 17.78 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/16/21 — Date Finished: 12/16/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 16 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 4, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 9, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Elev. (ft)	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+17.8	R1 (0-40") Brown to dark brown fine SAND, some silt, trace gravel, Plastic, coal, concrete (moist)[FILL]	R-1	Macrocore	40/48		0.0, 0.0, 0.0, 0.0, 0.0, 0.0	Sample EP08_0-2 collected
	R2 (0-28") Brown to dark brown fine SAND, trace silt, trace gravel, concrete, brick, coal (moist)[FILL]	R-2	Macrocore	28/48		1.7, 0.0, 0.0, 0.0, 17.0	
	R3A (0-6") Brown to dark brown fine SAND, trace silt, trace gravel, Brick, concrete (moist)[FILL]	R-3	Macrocore	48/48		90.0	Sample EP08_8-10 collected
	R3B (6-17") Black fine SAND, trace silt, Coal (wet)[FILL] ▽					697.0	Petroleum-like odor and black staining observed from about 9 ft to 10.5 ft bgs
	R3C (17-48") Orangish brown to brown fine SAND, some silt (wet)[FILL]					232.4, 58.7, 29.4, 37, 32.9	
	R4A (0-22") Gray fine SAND, some silt, trace fine gravel (wet) [FILL]	R-4	Macrocore	46/48		140.6, 12.4, 5.2, 3.5, 5.2, 1.2, 0.0	Petroleum-like odor and black staining observed from about 12 ft to 14 ft bgs
+3.6	R4B (22-46") Gray CLAY, some silt (wet)[CL]						
+1.8							E.O.B. at 16'. Backfilled with non-impacted drill cuttings and No. 2 sand to the surrounding grade. Temporary soil vapor point SV08 was installed to about 6.5' bgs and was removed after sample collection.

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:36:51 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **EP-09** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 18.97 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/15/21 / Date Finished: 12/15/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 7 ft / Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 2, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First 7, Completion N/A, 24 HR. N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Elev. (ft)	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+19.0	R1A (0-21") Brown fine SAND, some silt, trace medium sand, trace fine gravel, brick, coal (moist)[FILL]	R-1	Macrocore	27/48		0.5, 4.2, 1.9, 26.9	Sample EP09_0-2 collected
	R1B (21-27") Black fine SAND, some silt, trace medium sand, trace fine gravel (wet)[FILL]					22.1	Sample EP09_2-3 collected
	R2 (0-36") Brown to black fine SAND, some gravel, trace silt, trace m-c sand, brick, coal (wet)[FILL]	R-2	Macrocore	36/36		2.5, 36.6, 77.5, 95.1, 26.1, 24.2	
+12.0							E.O.B. at 7', against apparent refusal. Backfilled with non-impacted drill cuttings and No. 2 sand to the surrounding grade.

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:36:52 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **EP-10** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 16.16 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/14/21 — Date Finished: 12/14/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 12 ft — Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 3 — Undisturbed N/A — Core N/A
Casing Diameter (in): N/A — Casing Depth (ft): N/A	Water Level (ft.): First ▽ 7 — Completion ▼ N/A — 24 HR. ▼ N/A
Casing Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A — Weight (lbs): N/A — Drop (in): N/A	

Elev. (ft)	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+16.2	R1A (0-6") Gray GRAVEL, some f-m sand (dry)[FILL]	0	R-1	Macrocore	40/48		0.0	Sample EP10_0-2 collected
	R1B (6-40") Brown to black fine SAND, some fine gravel, trace silt, brick, concrete (moist)[FILL]	1					0.0	
							0.0	
		2					0.0	
							0.0	
		3					0.0	
		4					0.0	
		5	R-2	Macrocore	24/48			
	R2 (0-24") Dark brown fine SAND, trace silt, trace fine gravel, brick, wood (wet)[FILL]	6					0.0	Sample EP10_6-8 collected
	▽	7					0.0	
							0.0	
		8					0.0	
		9	R-3	Macrocore	12/24			
	R3 (0-12") Brown fine GRAVEL, some fine sand, trace silt, brick (wet)[FILL]						0.0	
+6.2		10					0.0	
		11						
		12						E.O.B. at 10', against apparent refusal. Backfilled with non-impacted drill cuttings and No. 2 sand to the surrounding grade.
		13						
		14						
		15						
		16						
		17						
		18						
		19						
		20						

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:36:54 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **EP-11** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 11.15 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/17/21 / Date Finished: 12/17/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 16 ft / Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 4, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 5, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Elev. (ft)	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+11.2	R1 (0-34") Grayish tan gravelly fine SAND (moist)[FILL]	0	R-1	Macrocore	34/48		0.0	Sample EP11_0-2 collected
		1					0.0	
		2					0.0	
		3					0.0	
		4					0.0	
	R2 (0-40") Grayish tan gravelly fine SAND (wet)[FILL]	5 ▽	R-2	Macrocore	40/48		0.0	Sample EP11_4-6 collected
		6					0.0	
		7					0.0	
		8					0.0	
	R3 (0-32") Grayish tan sandy fine GRAVEL (wet)[FILL]	9	R-3	Macrocore	32/48		0.0	
		10					0.0	
		11					0.0	
		12					0.0	
	R4 (0-23") Grayish tan sandy fine GRAVEL (wet)[FILL]	13	R-4	Macrocore	23/48		0.0	
		14					0.0	
		15					0.0	
-4.9		16					0.0	E.O.B. at 16'. Backfilled with non-impacted drill cuttings and No. 2 sand to the surrounding grade.
		17						
		18						
		19						
		20						

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:36:55 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **EP-12** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 15.94 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/14/21 / Date Finished: 12/14/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 20 ft / Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 5, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 9, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Elev. (ft)	Sample Description	Depth Scale	Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+15.9	R1A (0-12")Grayish tan fine GRAVEL, some fine sand, trace silt (dry)[FILL]	0	R-1	Macrocore	40/48		0.7	Sample EP12_0-2 colleced
	R1B (12-40") Brown fine SAND, some silt, some fine gravel, brick, concrete (dry)[FILL]	2					2.9, 2.6, 0.9, 0.9, 1.0, 1.0	
		4	R-2	Macrocore	24/48			
	R2 (0-24") Brown silty SAND, trace gravel, brick, slag (moist)[FILL]	6					0.9, 0.7, 0.9, 1.3	
		8	R-3	Macrocore	42/48			
	R3A (0-6") Brown fine SAND, trace silt, trace fine gravel, brick, slag (wet)[FILL] ▽						0.3, 0.2, 0.2	Sample EP12_9-11 collected
	R3B (6-42") Brown silty fine SAND, trace fine gravel (wet)[FILL]	10					0.0, 0.1, 0.1	
		12	R-4	Macrocore	42/48			
	R4A (0-24") Brown silty fine SAND, trace fine gravel (wet)[FILL]						0.1, 0.1, 0.0	
		14					1.0, 0.4, 0.1, 0.1	Black staining observed at about 14 ft to 20 ft
	R4B (24-42") Black silty fine SAND, trace fine gravel (wet)[FILL]							
		16	R-5	Macrocore	48/48		0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0	
	R5 (0-48") Black silty fine SAND, trace fine gravel (wet)[FILL]	18						
-4.1		20						E.O.B. at 20'. Backfilled with non-impacted drill cuttings and No. 2 sand to the surrounding grade.
		22						
		24						
		25						

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:36:56 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **EP-13** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 16.16 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/14/21 / Date Finished: 12/14/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 12 ft / Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 3, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 8.7, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Elev. (ft)	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+16.2	R1A (0-12") Grayish tan GRAVEL, some f-c sand, trace silt (dry)[FILL]	R-1	Macrocore	36/48		0.1	Sample EP13_0-2 collected
	R1B (12-36")Brown fine-medium SAND, some fine gravel, trace silt, brick, coconcrete, coal [FILL]					0.0	
						0.0	
						0.0	
						0.0	
						0.1	
	R2 (0-21") Brown fine-medium SAND, some gravel, trace silt, brick, metal (wet)[FILL]	R-2	Macrocore	21/48		0.0	Sample EP13_6-8 collected
						4.4	
						5.7	
	R3 (0-18") Dark brown fine-medium SAND, trace fine gravel, brick (wet)[FILL]	R-3	Macrocore	18/48		8.4	
						9.4	
						15.5	
						12.4	
+4.2							E.O.B. at 12'. Backfilled with non-impacted drill cuttings and No. 2 sand to the surrounding grade.

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:36:57 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **EP-14** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 16.62 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/15/21 / Date Finished: 12/15/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 16 ft / Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 4, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 7, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Elev. (ft)	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+16.6	R1 (0-33") Brown fine SAND, some gravel, trace silt, brick, concrete, coal (moist)[FILL]	0	R-1	Macrocore	33/48		0.0	Sample EP14_0-2 collected
		1					0.0	Sample SODUP01_121521 collected
							0.0	
		2					0.0	
		3					0.0	
		4					0.0	
	R2 (0-33") Brown fine SAND, some fine gravel, trace silt, brick, coal (moist)[FILL]	5	R-2	Macrocore	33/48		0.0	
		6					0.0	
							0.0	
		7 ▽					0.0	
		8					0.0	
	R3A (0-34") Gray silty fine SAND, some fine gravel, brick, slag, coal (wet)[FILL]	9	R-3	Macrocore	42/48		0.0	Sample EP14_9-11 collected
							0.0	
		10					0.0	
							0.0	
		11					0.0	
	R3B (34-42") Gray CLAY, some silt, coal (wet)[FILL]	12					0.0	
		13	R-4	Macrocore	12/48			
		14						
	R4 (0-12") Gray medium-coarse SAND, some sand, trace silt, brick, coal (wet)[FILL]	15					0.0	
							0.0	
+0.6		16						E.O.B. at 16'. Monitoring well 459-MW14 installed to 16' bgs, screened from 6' to 16' bgs.
		17						
		18						
		19						
		20						

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:36:59 PM ... Report: Log - LANGAN

LANGAN

Log of Boring **EP-15** Sheet 1 of 1

Project: 459 Smith Street	Project No.: 170420201
Location: Brooklyn, New York	Elevation and Datum: 17.48 (NAVD88)
Drilling Company: AARCO Environmental Services Corp.	Date Started: 12/17/21 / Date Finished: 12/17/21
Drilling Equipment: Geoprobe 7822 DT	Completion Depth: 12 ft / Rock Depth: N/A
Size and Type of Bit: 2-inch Direct Push	Number of Samples: Disturbed 3, Undisturbed N/A, Core N/A
Casing Diameter (in): N/A / Casing Depth (ft): N/A	Water Level (ft.): First ▽ 8, Completion ▼ N/A, 24 HR. ▼ N/A
Casing Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	Drilling Foreman: Jose Garcia
Sampler: 4' Macrocore 2" Diameter	Field Engineer: Andrew Nesci
Sampler Hammer: N/A / Weight (lbs): N/A / Drop (in): N/A	

Elev. (ft)	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+17.5	R1 (0-26") Brown to gray fine SAND, some fine gravel, trace silt, concrete, brick (moist)[FILL]	R-1	Macrocore	26/48		0.0, 0.0, 0.0, 0.0	Sample EP15_0-2 collected
	R2 (0-28") Dark brown to black fine SAND, trace silt, trace fine gravel, wood, coal, brick (wet)[FILL]	R-2	Macrocore	28/48		0.0, 0.0, 0.0, 2.5	Petroleum-like odor and black staining observed from about 5 to 12 feet bgs; Sample EP15_7-9 collected
	R3 (0-42") Dark brown to black fine SAND, trace silt, trace fine gravel, Brick, wood, coal (wet)[FILL]	R-3	Macrocore	42/48		0.0, 0.0, 91.3, 199.1, 518.6, 108	
+5.5							E.O.B. at 12'. Monitoring well 459-MW15 installed to 12' bgs, screened from 2' to 12' bgs.

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

\\LANGAN.COM\DATA\NYC\DATA2\170420201\ENGINEERING DATA\ENVIRONMENTAL\GINTLOGS\170420201_ENTERPRISE.GPJ ... 2/9/2022 5:37:00 PM ... Report: Log - LANGAN

ATTACHMENT C
Well Construction Logs

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. 459-MW02

PROJECT	PROJECT NO.	
459 Smith Street	170420201	
LOCATION	**ELEVATION AND DATUM**	
Brooklyn, NY	el. 16.29 NAVD88	
DRILLING AGENCY	**DATE STARTED**	**DATE FINISHED**
AARCO Environmental Services Corp.	12/15/2021	12/15/2021
DRILLING EQUIPMENT	**DRILLER**	
Geoprobe® 7822 DT	Jose Garcia	
SIZE AND TYPE OF BIT	**INSPECTOR**	
2-inch Direct Push	Andrew Nesci	
BOREHOLE DIAMETER	**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch	Overburden	

RISER MATERIAL	DIAMETER	TYPE OF BACKFILL MATERIAL	
PVC	2-inch	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 20 Slot	2-inch	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

Geoprobe 7822 DT was used to advance the boring to approximately 16 feet below grade surface (bgs). A two-inch PVC monitoring well was installed, which consisted of 10' of 20 slot (0.020-inch) well screen, and a solid two-inch PVC riser. Well screen was installed from approximately 16 to 6 feet bgs with riser from 6 feet bgs to surface grade. Wells were finished with a flush mounted road box and concrete pad.

WELL DEVELOPMENT DATA

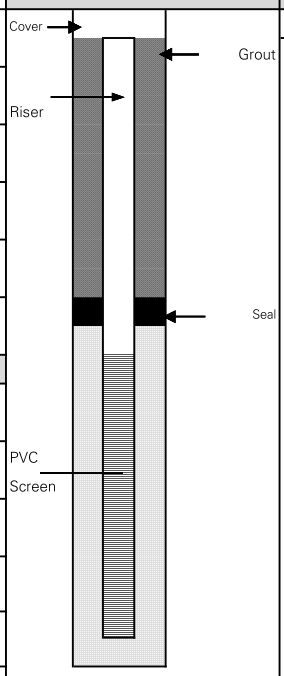
SURGE BLOCK DIAMETER	N/A	TYPE PUMP	Whale Pump	DEVELOPMENT CONFIRMATION
DRILLER OR LANGAN	Driller	MAX PUMP RATE	1 LPM	Well developed until purged groundwater was no longer turbid.
NUMBER OF SURGE CYCLES	N/A	TOTAL VOLUME	15 Gallons	

	ELEVATION	DEPTH (ft)
TOP OF CASING	16.29	0
TOP OF SEAL	12.29	4
TOP OF FILTER	11.29	5
TOP OF SCREEN	10	6
BOTTOM OF BORING	0.29	16
SCREEN LENGTH		10
SLOT SIZE	No. 20 Slot; 0.020 Inches	

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
10.79	12/15/2021	5.5 ft
NA		NA ft
NA		
NA		
NA		
NA		

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
	4
	5
	6
	16

LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. 459-MW05

PROJECT	PROJECT NO.	
459 Smith Street	170420201	
LOCATION	**ELEVATION AND DATUM**	
Brooklyn, NY	el. 13.72 NAVD88	
DRILLING AGENCY	**DATE STARTED**	**DATE FINISHED**
AARCO Environmental Services Corp.	12/15/2021	12/15/2021
DRILLING EQUIPMENT	**DRILLER**	
Geoprobe® 7822 DT	Jose Garcia	
SIZE AND TYPE OF BIT	**INSPECTOR**	
2-inch Direct Push	Andrew Nesci	
BOREHOLE DIAMETER	**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch	Overburden	

RISER MATERIAL	DIAMETER	TYPE OF BACKFILL MATERIAL	
PVC	2-inch	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 20 Slot	2-inch	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

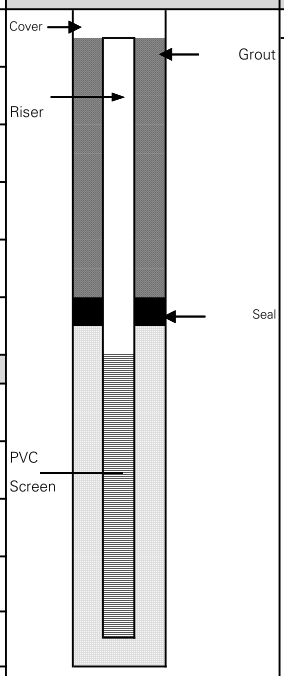
Geoprobe 7822 DT was used to advance the boring to approximately 12 feet below grade surface (bgs). A two-inch PVC monitoring well was installed, which consisted of 10' of 20 slot (0.020-inch) well screen, and a solid two-inch PVC riser. Well screen was installed from approximately 12 to 2 feet bgs with riser from 2 feet bgs to surface grade. Wells were finished with a flush mounted road box and concrete pad.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	TYPE PUMP	Whale Pump	DEVELOPMENT CONFIRMATION
DRILLER OR LANGAN	Driller	MAX PUMP RATE	1 LPM	Well developed until purged groundwater was no longer turbid.
NUMBER OF SURGE CYCLES	N/A	TOTAL VOLUME	15 Gallons	

	ELEVATION	DEPTH (ft)
TOP OF CASING	13.72	0
TOP OF SEAL	13.22	0.5
TOP OF FILTER	12.72	1
TOP OF SCREEN	12	2
BOTTOM OF BORING	1.72	12
SCREEN LENGTH		10
SLOT SIZE		No. 20 Slot; 0.020 Inches

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
	0.5
	1
	2
	12

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
6.22	12/15/2021	7.5 ft
NA		NA ft
NA		
NA		
NA		
NA		

LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. 459-MW14

PROJECT		PROJECT NO.	
459 Smith Street		170420201	
LOCATION		**ELEVATION AND DATUM**	
Brooklyn, NY		el. 16.62 NAVD88	
DRILLING AGENCY		**DATE STARTED**	**DATE FINISHED**
AARCO Environmental Services Corp.		12/15/2021	12/15/2021
DRILLING EQUIPMENT		**DRILLER**	
Geoprobe® 7822 DT		Jose Garcia	
SIZE AND TYPE OF BIT		**INSPECTOR**	
2-inch Direct Push		Andrew Nesci	
BOREHOLE DIAMETER		**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch		Overburden	
RISER MATERIAL	**DIAMETER**	**TYPE OF BACKFILL MATERIAL**	
PVC	2-inch	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 20 Slot	2-inch	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

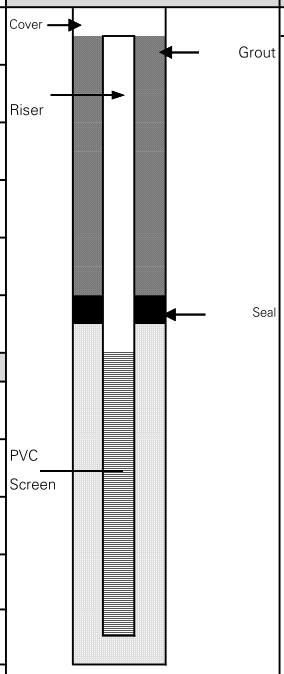
Geoprobe 7822 DT was used to advance the boring to approximately 16 feet below grade surface (bgs). A two-inch PVC monitoring well was installed, which consisted of 10' of 20 slot (0.020-inch) well screen, and a solid two-inch PVC riser. Well screen was installed from approximately 16 to 6 feet bgs with riser from 6 feet bgs to surface grade. Wells were finished with a flush mounted road box and concrete pad.

WELL DEVELOPMENT DATA

SURGE BLOCK DIAMETER	N/A	**TYPE PUMP**	Whale Pump	**DEVELOPMENT CONFIRMATION**
DRILLER OR LANGAN	Driller	**MAX PUMP RATE**	1 LPM	Well developed until purged groundwater was no longer turbid.
NUMBER OF SURGE CYCLES	N/A	**TOTAL VOLUME**	15 Gallons	

	ELEVATION	DEPTH (ft)
TOP OF CASING	16.62	0
TOP OF SEAL	13.62	3
TOP OF FILTER	12.62	4
TOP OF SCREEN	10.6	6.0
BOTTOM OF BORING	0.62	16
SCREEN LENGTH		10
SLOT SIZE		No. 20 Slot; 0.020 Inches

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
	3
	4
	6
	16

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
9.62	12/15/2021	7 ft
NA		NA ft
NA		
NA		
NA		
NA		

LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

WELL CONSTRUCTION AND DEVELOPMENT SUMMARY

Well No. 459-MW15

PROJECT	PROJECT NO.	
459 Smith Street	170420201	
LOCATION	**ELEVATION AND DATUM**	
Brooklyn, NY	el. 17.48 NAVD88	
DRILLING AGENCY	**DATE STARTED**	**DATE FINISHED**
AARCO Environmental Services Corp.	12/17/2021	12/17/2021
DRILLING EQUIPMENT	**DRILLER**	
Geoprobe® 7822 DT	Jose Garcia	
SIZE AND TYPE OF BIT	**INSPECTOR**	
2-inch Direct Push	Andrew Nesci	
BOREHOLE DIAMETER	**TYPE OF WELL (OVERBURDEN / BEDROCK)**	
2-inch	Overburden	

RISER MATERIAL	DIAMETER	TYPE OF BACKFILL MATERIAL	
PVC	2-inch	No. 2 Sand	
TYPE OF SCREEN	**DIAMETER**	**TYPE OF WELL PACK**	**TYPE OF SEAL MATERIAL**
PVC No. 20 Slot	2-inch	No. 2 Sand	Bentonite

METHOD OF INSTALLATION

Geoprobe 7822 DT was used to advance the boring to approximately 12 feet below grade surface (bgs). A two-inch PVC monitoring well was installed, which consisted of 10' of 20 slot (0.020-inch) well screen, and a solid two-inch PVC riser. Well screen was installed from approximately 12 to 2 feet bgs with riser from 2 feet bgs to surface grade. Wells were finished with a flush mounted road box and concrete pad.

WELL DEVELOPMENT DATA

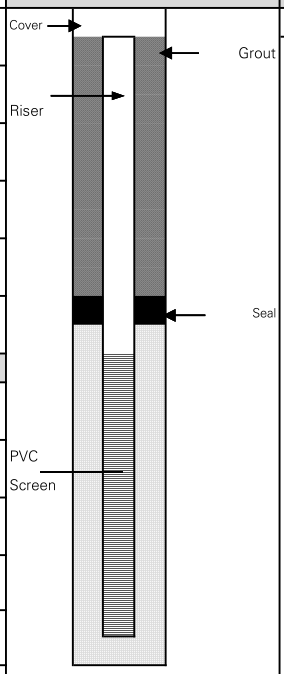
SURGE BLOCK DIAMETER	N/A	TYPE PUMP	Whale Pump	DEVELOPMENT CONFIRMATION
DRILLER OR LANGAN	Driller	MAX PUMP RATE	1 LPM	Well developed until purged groundwater was no longer turbid.
NUMBER OF SURGE CYCLES	N/A	TOTAL VOLUME	15 Gallons	

	ELEVATION	DEPTH (ft)
TOP OF CASING	17.48	0
TOP OF SEAL	16.98	0.5
TOP OF FILTER	16.48	1
TOP OF SCREEN	15.5	2.0
BOTTOM OF BORING	5.48	12
SCREEN LENGTH		10
SLOT SIZE		No. 20 Slot; 0.020 Inches

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER
9.48	12/15/2021	8 ft
NA		NA ft
NA		
NA		
NA		
NA		

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0
	0.5
	1
	2
	12

LANGAN Engineering, Environmental, Surveying, Landscape Architecture and Geology, D.P.C.

21 Penn Plaza, 360 West 31st Street, 8th Floor, New York

ATTACHMENT D
Groundwater Sampling Logs

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	459 Smith Street	**Well No:**	459-MW02	**Water Quality Device Model:**	Horiba U-52	**Weather:**	Cloudy, 43-46°F	**Sample(s):**	459-MW02_122921
Project Number:	170420201	**Well Depth:**	16 feet	**Pine Number:**	25331	**Background PID (ppm):**	0.2		
Site Location:	Brooklyn, New York	**Well Diameter:**	2-inch	**Pump Make and Model:**	Geopump Peristaltic Pump	**PID Beneath Inner Cap (ppm):**	6.6		
Sampling Personnel:	Caroline Devin	**Well Screen Interval:**	6 feet	**Pine Number:**	23728	**Pump Intake Depth:**	14 feet	**Sample Date:**	12/29/2021
			16 feet	**Tubing Diameter:**	3/8-inch ID x 1/2-inch OD	**Depth to Water Before Purge:**	5.5 feet	**Sample Time:**	11:15

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
10:10	12.25	6.51	-56	2.250	166.0	8.49	NA*	0.12	0.60	Petroleum-like odor	**N/A**
10:15	12.93	6.64	-72	2.230	107.0	7.69	NA*	0.08	1.00	Slight sheen	**N/A**
10:20	13.23	6.67	-81	2.210	87.7	7.19	NA*	0.05	1.25		**N**
10:25	13.35	6.69	-87	2.230	56.2	6.83	NA*	0.05	1.50		**N**
10:30	13.36	6.70	-91	2.250	51.6	6.59	NA*	0.04	1.70		**N**
10:35	13.38	6.71	-96	2.270	17.0	6.19	NA*	0.06	2.00		**N**
10:40	13.37	6.72	-99	2.270	12.0	5.99	NA*	0.05	2.25		**N**
10:45	13.33	6.72	-101	2.290	11.9	5.75	NA*	0.05	2.50		**N**
10:50	13.42	6.72	-103	2.320	11.1	5.51	NA*	0.06	2.80		**Y**
10:55	13.36	6.73	-109	2.310	12.5	5.10	NA*	0.06	3.10		**N**
11:00	13.39	6.73	-109	2.330	13.0	5.01	NA*	0.08	3.50		**N**
11:05	13.40	6.74	-110	2.330	12.9	4.75	NA*	0.10	4.00		**Y**
11:10	13.45	6.74	-113	2.330	12.8	4.78	5.5 feet	0.06	4.30		**Y**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:
1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit
11. NA* = Well was not gauged during sampling due to potential emerging contaminant interference from the interface probe.

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	459 Smith Street	**Well No:**	459-MW05	**Water Quality Device Model:**	Horiba U-52	**Weather:**	Cloudy, 43-46ºF	**Sample(s):**	459-MW05_122921
Project Number:	170420201	**Well Depth:**	12 feet	**Pine Number:**	25331	**Background PID (ppm):**	0.0		
Site Location:	Brooklyn, New York	**Well Diameter:**	2-inch	**Pump Make and Model:**	Geopump Peristaltic Pump	**PID Beneath Inner Cap (ppm):**	28.4		
Sampling Personnel:	Caroline Devin	**Well Screen Interval:**	2 feet	**Pine Number:**	23728	**Pump Intake Depth:**	12 feet	**Sample Date:**	12/29/2021
			12 feet	**Tubing Diameter:**	3/8-inch ID x 1/2-inch OD	**Depth to Water Before Purge:**	7.5 feet	**Sample Time:**	12:55

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
12:05	13.13	7.00	-105	2.290	294.0	5.85	NA*	0.20	1.00		**N/A**
12:10	14.16	7.03	-121	2.300	116.0	1.69	NA*	0.05	1.25	Petroleum-like odor	**N/A**
12:15	14.50	7.04	-131	2.310	80.6	1.28	NA*	0.05	1.50		**N**
12:20	14.51	7.06	-134	2.320	46.2	1.19	NA*	0.06	1.80		**N**
12:25	14.24	7.09	-137	2.340	19.8	1.12	NA*	0.08	2.20		**N**
12:30	14.39	7.10	-138	2.350	18.9	1.05	NA*	0.06	2.50		**N**
12:35	14.39	7.10	-139	2.360	18.8	1.00	NA*	0.05	2.75		**N**
12:40	14.29	7.12	-140	2.360	20.3	0.97	NA*	0.05	3.00		**Y**
12:45	14.38	7.12	-141	2.370	20.4	0.93	NA*	0.06	3.30		**Y**
12:50	14.37	7.13	-142	2.370	21.2	0.91	7.5 feet	0.06	3.60		**Y**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:
1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit
11. NA* = Well was not gauged during sampling due to potential emerging contaminant interference from the interface probe.

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	459 Smith Street	**Well No:**	459-MW14	**Water Quality Device Model:**	Horiba U-52	**Weather:**	Cloudy, 43-46ºF	**Sample(s):**	459-MW14_122921
Project Number:	170420201	**Well Depth:**	16 feet	**Pine Number:**	25331	**Background PID (ppm):**	0.0		
Site Location:	Brooklyn, New York	**Well Diameter:**	2-inch	**Pump Make and Model:**	Geopump Peristaltic Pump	**PID Beneath Inner Cap (ppm):**	0.3		
Sampling Personnel:	Caroline Devin	**Well Screen Interval:**	6 feet	**Pine Number:**	23728	**Pump Intake Depth:**	15 feet	**Sample Date:**	12/29/2021
			16 feet	**Tubing Diameter:**	3/8-inch ID x 1/2-inch OD	**Depth to Water Before Purge:**	7 feet	**Sample Time:**	15:20

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
14:25	14.12	7.39	-67	1.860	151.0	3.03	NA*	0.04	0.20		**N/A**
14:30	14.91	7.35	-81	1.810	114.0	1.12	NA*	0.04	0.40		**N/A**
14:35	14.43	7.30	-87	1.800	76.7	0.93	NA*	0.04	0.60		**N**
14:40	14.33	7.25	-88	1.610	35.3	0.90	NA*	0.03	0.75		**N**
14:45	14.80	7.20	-89	1.540	15.3	0.80	NA*	0.07	1.10		**N**
14:50	14.79	7.15	-91	1.510	16.1	0.75	NA*	0.06	1.40		**N**
14:55	14.84	7.12	-93	1.520	2.3	0.73	NA*	0.06	1.70		**N**
15:00	14.87	7.10	-94	1.510	2.2	0.70	NA*	0.08	2.10		**N**
15:05	14.85	7.08	-95	1.490	1.1	0.68	NA*	0.08	2.50		**Y**
15:10	14.84	7.06	-98	1.470	1.0	0.67	NA*	0.05	2.75		**Y**
15:15	14.88	7.06	-98	1.460	0.5	0.63	7 feet	0.05	3.00		**Y**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:
1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit
11. NA* = Well was not gauged during sampling due to potential emerging contaminant interference from the interface probe.

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	459 Smith Street	**Well No:**	459-MW15	**Water Quality Device Model:**	Horiba U-52	**Weather:**	Cloudy, 43-46ºF	**Sample(s):**	459-MW15_122921
Project Number:	170420201	**Well Depth:**	12 feet	**Pine Number:**	25331	**Background PID (ppm):**	1.1		
Site Location:	Brooklyn, New York	**Well Diameter:**	2-inch	**Pump Make and Model:**	Geopump Peristaltic Pump	**PID Beneath Inner Cap (ppm):**	35.3		
Sampling Personnel:	Caroline Devin	**Well Screen Interval:**	2 feet	**Pine Number:**	23728	**Pump Intake Depth:**	12 feet	**Sample Date:**	12/29/2021
			12 feet	**Tubing Diameter:**	3/8-inch ID x 1/2-inch OD	**Depth to Water Before Purge:**	8 feet	**Sample Time:**	16:10

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
13:35	14.01	7.58	-71	2.730	444.0	2.01	NA*	0.04	0.20	Petroleum-like odor	**N/A**
13:40	14.12	7.55	-75	2.740	431.0	1.94	NA*	0.08	0.60		**N/A**
13:45	14.83	7.14	-82	3.270	396.0	1.26	NA*	0.04	0.80	Poor recharge	**N**
13:50	14.44	7.18	-85	3.330	256.0	1.20	NA*	0.04	1.00	Well dry	**N**
16:10	Stabilization criteria was not achieved due to poor recharge of the well. The well was allowed to recharge for sample collection.									Sample Collected	**N**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:
1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit
11. NA* = Well was not gauged during sampling due to potential emerging contaminant interference from the interface probe.

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	459 Smith Street	**Well No:**	CGMW36	**Water Quality Device Model:**	Horiba U-52	**Weather:**	Sunny, 45°F	**Sample(s):**	CGMW36_121421
Project Number:	170420201	**Well Depth:**	25 feet	**Pine Number:**	51669	**Background PID (ppm):**	0.0		GWDUP01_121421
Site Location:	Brooklyn, New York	**Well Diameter:**	2-inch	**Pump Make and Model:**	Peristaltic Pump	**PID Beneath Inner Cap (ppm):**	0.0		
Sampling	Alex Nolan	**Well Screen**	15 feet	**Pine Number:**	048314	**Pump Intake Depth:**	22 feet	**Sample Date:**	12/14/2021
Personnel:	Caroline Devin	**Interval:**	25 feet	**Tubing Diameter:**	3/8-inch ID x 1/2-inch OD	**Depth to Water Before Purge:**	8 feet	**Sample Time:**	9:55

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
9:00	16.75	7.51	-242	4.030	12.1	1.38	NA*	-	1.80		**N/A**
9:05	16.78	7.50	-242	4.030	0.7	1.33	NA*	0.06	2.10		**N/A**
9:10	16.45	7.51	-246	4.060	0.0	1.14	NA*	0.02	2.20		**N**
9:15	16.55	7.50	-243	4.060	0.0	0.92	NA*	0.06	2.50		**N**
9:20	16.67	7.49	-244	4.070	0.0	1.09	NA*	0.05	2.75		**N**
9:25	16.76	7.48	-246	4.080	0.0	0.84	NA*	0.07	3.10		**N**
9:30	16.84	7.48	-247	4.070	0.0	0.83	NA*	0.08	3.50		**N**
9:35	16.82	7.48	-247	4.050	0.0	0.86	NA*	0.06	3.80		**Y**
9:40	16.82	7.48	-247	4.060	0.0	0.91	NA*	0.06	4.10		**Y**
9:45	16.84	7.48	-247	4.080	0.0	0.90	8 feet	0.04	4.30		**Y**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit
11. NA* = Well was not gauged during sampling due to potential emerging contaminant interference from the interface probe.

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	459 Smith Street	**Well No:**	CGMW37	**Water Quality Device Model:**	Horiba U-52	**Weather:**	Sunny, 45°F	**Sample(s):**	CGMW37_121421
Project Number:	170420201	**Well Depth:**	24 feet	**Pine Number:**	51669	**Background PID (ppm):**	0.0		
Site Location:	Brooklyn, New York	**Well Diameter:**	2-inch	**Pump Make and Model:**	Peristaltic Pump	**PID Beneath Inner Cap (ppm):**	0.1		
Sampling	Alex Nolan	**Well Screen**	14 feet	**Pine Number:**	048314	**Pump Intake Depth:**	22 feet	**Sample Date:**	12/14/2021
Personnel:	Caroline Devin	**Interval:**	24 feet	**Tubing Diameter:**	3/8-inch ID x 1/2-inch OD	**Depth to Water Before Purge:**	8 feet	**Sample Time:**	11:55

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
10:55	14.95	7.97	-28	2.440	9.8	1.90	NA*	-	0.10	Slight petroleum-like odor	**N/A**
11:00	15.25	7.78	-31	2.440	2.2	1.35	NA*	0.10	0.60	No odor	**N/A**
11:05	15.25	7.78	-31	2.440	2.2	1.35	NA*	0.10	1.10		**N**
11:10	15.55	7.58	-33	2.400	0.0	0.88	NA*	0.10	1.60		**N**
11:15	15.75	7.37	-30	2.410	0.0	0.63	NA*	0.10	2.10		**N**
11:20	15.81	7.31	-30	2.420	0.0	0.56	NA*	0.10	2.60		**N**
11:25	15.84	7.35	-34	2.410	0.0	0.58	NA*	0.10	3.10		**N**
11:30	15.78	7.36	-13	2.380	20.2	0.57	NA*	0.10	3.60		**N**
11:35	15.80	7.41	54	2.350	14.9	3.72	NA*	0.08	4.00	Air bubbles noted in tubing	**N**
11:40	15.67	7.37	60	2.330	0.0	3.69	NA*	0.10	4.50	Clear purge water	**N**
	15.67	7.35	62	2.320	0.0	3.56	NA*	0.10	5.00		**N**
	15.66	7.33	66	2.310	0.0	3.45	NA*	0.10	5.50		**Y**
	15.67	7.32	67	2.300	0.0	3.43	8 feet	0.10	6.00		**Y**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:
1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit
11. NA* = Well was not gauged during sampling due to potential emerging contaminant interference from the interface probe.

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	459 Smith Street	**Well No:**	CGMW38	**Water Quality Device Model:**	Horiba U-52	**Weather:**	Sunny, 45°F	**Sample(s):**	CGMW38_121321
Project Number:	170420201	**Well Depth:**	20 feet	**Pine Number:**	51669	**Background PID (ppm):**	0.0		
Site Location:	Brooklyn, New York	**Well Diameter:**	2-inch	**Pump Make and Model:**	Peristaltic Pump	**PID Beneath Inner Cap (ppm):**	0.0		
Sampling	Alex Nolan	**Well Screen**	10 feet	**Pine Number:**	048314	**Pump Intake Depth:**	12 feet	**Sample Date:**	12/14/2021
Personnel:	Caroline Devin	**Interval:**	20 feet	**Tubing Diameter:**	3/8-inch ID x 1/2-inch OD	**Depth to Water Before Purge:**	8.58 feet	**Sample Time:**	15:10

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
12:20	14.81	7.75	54	0.954	76.2	12.64	NA*	-	0.20	Turbid	**N/A**
12:25	14.67	7.69	58	0.942	64.9	7.27	NA*	0.04	0.40		**N/A**
12:30	14.60	7.60	56	0.943	59.5	2.20	NA*	0.07	0.75		**N**
12:35	14.52	7.59	51	0.954	251.0	2.29	NA*	0.09	1.20		**N**
12:40	14.38	7.56	49	0.963	414.0	2.37	NA*	0.11	1.75	Light brown purge water	**N**
12:45	14.90	7.63	33	0.983	902.0	1.85	NA*	0.09	2.20		**N**
12:50	14.98	7.69	34	0.986	141.0	1.83	NA*	0.12	2.80		**N**
12:55	-	-	-	-	-	-	8.58 feet	NA	2.80	Well dry	**N**
13:00	Stabilization criteria was not achieved due to poor recharge of the well. The well was allowed to recharge for sample collection.									Poor recharge	**N**
13:05										Well Sampled	**N**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:
1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit
11. NA* = Well was not gauged during sampling due to potential emerging contaminant interference from the interface prob

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	459 Smith Street	**Well No:**	CGMW39	**Water Quality Device Model:**	Horiba U-52	**Weather:**	Sunny, 45°F	**Sample(s):**	CGWM39_121421
Project Number:	170420201	**Well Depth:**	24 feet	**Pine Number:**	51669	**Background PID (ppm):**	0.0		
Site Location:	Brooklyn, New York	**Well Diameter:**	2-inch	**Pump Make and Model:**	Peristaltic Pump	**PID Beneath Inner Cap (ppm):**	0.0		
Sampling	Alex Nolan	**Well Screen**	14 feet	**Pine Number:**	048314	**Pump Intake Depth:**	23 feet	**Sample Date:**	12/14/2021
Personnel:	Caroline Devlin	**Interval:**	24 feet	**Tubing Diameter:**	3/8-inch ID x 1/2-inch OD	**Depth to Water Before Purge:**	8.58 feet	**Sample Time:**	15:45

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
14:45	17.38	6.85	150	1.440	100.0	7.10	NA*	-	0.10		**N/A**
14:50	17.20	6.52	113	1.380	72.6	6.71	NA*	0.10	0.60		**N/A**
14:55	17.00	6.67	84	1.260	56.3	0.00	NA*	0.08	1.00		**N**
15:00	16.78	6.71	69	1.230	45.7	0.00	NA*	0.08	1.40		**N**
15:05	16.76	6.74	40	1.210	25.2	0.00	NA*	0.07	1.75		**N**
15:10	16.51	6.77	20	1.200	8.8	0.00	NA*	0.09	2.20		**N**
15:15	16.61	6.80	7	1.200	2.3	0.00	NA*	0.11	2.75		**N**
15:20	16.60	6.80	2	1.200	0.1	0.00	NA*	0.07	3.10		**N**
15:25	16.77	6.82	-18	1.210	0.0	0.00	NA*	0.06	3.40		**N**
15:30	16.81	6.83	-24	1.210	0.0	0.00	NA*	0.07	3.75		**N**
15:35	16.77	6.84	-28	1.200	0.0	0.00	NA*	0.05	4.00		**Y**
15:40	16.82	6.85	-34	1.210	0.0	0.00	8.58 feet	0.06	4.30		**Y**
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N
											N

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit
11. NA* = Well was not gauged during sampling due to potential emerging contaminant interference from the interface probe.

ATTACHMENT E
Soil Vapor Sampling Logs

SOIL VAPOR SAMPLING LOG SHEET

Sample Number: SV01_121721

PROJECT: 459 Smith Street	**PROJECT NO.:** 170420201
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 20.41 (NAVD88)
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 12/16/2021 — **DATE FINISHED:** 12/16/2021
INSTALLATION FOREMAN: Jose Garcia	**SAMPLE DATE STARTED:** 12/17/2021 — **DATE FINISHED:** 12/17/2021
INSTALLATION EQUIPMENT: Geoprobe® 7822 DT	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister
INSPECTOR: Andrew Nesci	**SAMPLER:** Andrew Nesci
POTENTIAL SAMPLE INTERFERENCES: NA	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**
	Temp: 57-60ºF
	Wind: NW @ 12-17 mph
	Precipitation: NA
	Pressure: 30.16 inches Hg

METHOD OF INSTALLATION AND PURGING:

Advance a Geoprobe 7822 DT to 3 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 0.5 feet bgs, and seal to surface with hydrated bentonite.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** NA
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):	0.15	
PURGE FLOW RATE (ML/MIN):	150	
PID AFTER PURGE (PPM):	3.0	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	11.2%	12.9%
HELIUM TEST IN TUBE (PPM):	0.0	0.0
SAMPLE START TIME:	10:50	
SAMPLE STOP TIME:	12:50	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (L/MIN):	0.05	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	2.9	
SAMPLE MOISTURE CONTENT:	NA	
CAN SERIAL NUMBER:	28836	
REGULATOR SERIAL NUMBER:	6878	
CAN START VACUUM PRESS. (" HG):	-28.99	
CAN STOP VACUUM PRESS. (" HG):	-3.86	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
Top of Seal	0.00	
Top of Pack	0.50	
Probe Depth	3.00	

SAMPLE LOCATION SKETCH

See Sample Location Plan

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: SV02_121721

PROJECT: 459 Smith Street	**PROJECT NO.:** 170420201
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 16.29 (NAVD88)
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 12/15/2021 — **DATE FINISHED:** 12/15/2021
INSTALLATION FOREMAN: Jose Garcia	**SAMPLE DATE STARTED:** 12/17/2021 — **DATE FINISHED:** 12/17/2021
INSTALLATION EQUIPMENT: Geoprobe® 7822 DT	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister
INSPECTOR: Andrew Nesci	**SAMPLER:** Andrew Nesci
POTENTIAL SAMPLE INTERFERENCES: NA	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**

Temp:	57-60ºF
Wind:	NW @ 12-17 mph
Precipitation:	NA
Pressure:	30.16 inches Hg

METHOD OF INSTALLATION AND PURGING:

Advance a Geoprobe 7822 DT to 4 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 0.5 feet bgs, and seal to surface with hydrated bentonite.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** NA
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):	0.15	
PURGE FLOW RATE (ML/MIN):	150	
PID AFTER PURGE (PPM):	1.3	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	10.6%	11.6%
HELIUM TEST IN TUBE (PPM):	0.0	0.0
SAMPLE START TIME:	10:49	
SAMPLE STOP TIME:	12:49	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (L/MIN):	0.05	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	1.7	
SAMPLE MOISTURE CONTENT:	NA	
CAN SERIAL NUMBER:	18307	
REGULATOR SERIAL NUMBER:	7421	
CAN START VACUUM PRESS. (" HG):	-29.10	
CAN STOP VACUUM PRESS. (" HG):	-6.12	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (FEET FROM SURFACE)**	**NOTES**
SURFACE		
Top of Seal	0.00	
Top of Pack	0.50	
Probe Depth	4.00	

SAMPLE LOCATION SKETCH

See Sample Location Plan

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: SV03_121721

PROJECT: 459 Smith Street	**PROJECT NO.:** 170420201
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 16.31 (NAVD88)
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 12/17/2021 — **DATE FINISHED:** 12/17/2021
INSTALLATION FOREMAN: Jose Garcia	**SAMPLE DATE STARTED:** 12/17/2021 — **DATE FINISHED:** 12/17/2021
INSTALLATION EQUIPMENT: Geoprobe® 7822 DT	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister
INSPECTOR: Andrew Nesci	**SAMPLER:** Andrew Nesci
POTENTIAL SAMPLE INTERFERENCES: NA	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**
	Temp: 57-60ºF
	Wind: NW @ 12-17 mph
	Precipitation: NA
	Pressure: 30.16 inches Hg

METHOD OF INSTALLATION AND PURGING:

Advance a Geoprobe 7822 DT to 1.5 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 0.5 feet bgs, and seal to surface with hydrated bentonite.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** NA
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):	0.15	
PURGE FLOW RATE (ML/MIN):	150	
PID AFTER PURGE (PPM):	1.5	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	10.7%	10.3%
HELIUM TEST IN TUBE (PPM):	0.0	0.0
SAMPLE START TIME:	10:51	
SAMPLE STOP TIME:	12:51	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (L/MIN):	0.05	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	2.2	
SAMPLE MOISTURE CONTENT:	NA	
CAN SERIAL NUMBER:	37003	
REGULATOR SERIAL NUMBER:	7270	
CAN START VACUUM PRESS. (" HG):	-30.04	
CAN STOP VACUUM PRESS. (" HG):	-8.63	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
Top of Seal	0.00	
Top of Pack	0.50	
Probe Depth	1.50	

SAMPLE LOCATION SKETCH

See Sample Location Plan

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: SV04_121721

PROJECT: 459 Smith Street	**PROJECT NO.:** 170420201
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 15.83 (NAVD88)
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 12/16/2021 — **DATE FINISHED:** 12/16/2021
INSTALLATION FOREMAN: Jose Garcia	**SAMPLE DATE STARTED:** 12/17/2021 — **DATE FINISHED:** 12/17/2021
INSTALLATION EQUIPMENT: Geoprobe® 7822 DT	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister
INSPECTOR: Andrew Nesci	**SAMPLER:** Andrew Nesci
POTENTIAL SAMPLE INTERFERENCES: NA	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**
	Temp: 57-60ºF
	Wind: NW @ 12-17 mph
	Precipitation: NA
	Pressure: 30.16 inches Hg

METHOD OF INSTALLATION AND PURGING:

Advance a Geoprobe 7822 DT to 5 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 0.5 feet bgs, and seal to surface with hydrated bentonite.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** NA
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):	0.15	
PURGE FLOW RATE (ML/MIN):	150	
PID AFTER PURGE (PPM):	1.0	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	11.6%	11.4%
HELIUM TEST IN TUBE (PPM):	0.0	0.0
SAMPLE START TIME:	10:52	
SAMPLE STOP TIME:	12:52	
TOTAL SAMPLE TIME (MIN):	120	
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:	37009	
REGULATOR SERIAL NUMBER:	6881	
CAN START VACUUM PRESS. (" HG):	-29.21	
CAN STOP VACUUM PRESS. (" HG):	-5.42	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
Top of Seal	0.00	
Top of Pack	0.50	
Probe Depth	5.00	

SAMPLE LOCATION SKETCH

See Sample Location Plan

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: SV05_121721

PROJECT: 459 Smith Street	**PROJECT NO.:** 170420201
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 13.72 (NAVD88)
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 12/16/2021 — **DATE FINISHED:** 12/16/2021
INSTALLATION FOREMAN: Jose Garcia	**SAMPLE DATE STARTED:** 12/17/2021 — **DATE FINISHED:** 12/17/2021
INSTALLATION EQUIPMENT: Geoprobe® 7822 DT	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister
INSPECTOR: Andrew Nesci	**SAMPLER:** Andrew Nesci
POTENTIAL SAMPLE INTERFERENCES: NA	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**
	Temp: 57-60ºF
	Wind: NW @ 12-17 mph
	Precipitation: NA
	Pressure: 30.16 inches Hg

METHOD OF INSTALLATION AND PURGING:

Advance a Geoprobe 7822 DT to 5 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 0.5 feet bgs, and seal to surface with hydrated bentonite.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** NA
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):	0.15	
PURGE FLOW RATE (ML/MIN):	150	
PID AFTER PURGE (PPM):	2.6	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	10.8%	10.5%
HELIUM TEST IN TUBE (PPM):	0.0	0.0
SAMPLE START TIME:	10:46	
SAMPLE STOP TIME:	12:46	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (L/MIN):	0.05	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	3.5	
SAMPLE MOISTURE CONTENT:	NA	
CAN SERIAL NUMBER:	24116	
REGULATOR SERIAL NUMBER:	Y-47	
CAN START VACUUM PRESS. (" HG):	-30.06	
CAN STOP VACUUM PRESS. (" HG):	-6.88	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
Top of Seal	0.00	
Top of Pack	0.50	
Probe Depth	5.00	

SAMPLE LOCATION SKETCH

See Sample Location Plan

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: SV06_121721

PROJECT: 459 Smith Street	**PROJECT NO.:** 170420201
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 17.21 (NAVD88)
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 12/16/2021 — **DATE FINISHED:** 12/16/2021
INSTALLATION FOREMAN: Jose Garcia	**SAMPLE DATE STARTED:** 12/17/2021 — **DATE FINISHED:** 12/17/2021
INSTALLATION EQUIPMENT: Geoprobe® 7822 DT	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister
INSPECTOR: Andrew Nesci	**SAMPLER:** Andrew Nesci
POTENTIAL SAMPLE INTERFERENCES: NA	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**
	Temp: 57-60ºF
	Wind: NW @ 12-17 mph
	Precipitation: NA
	Pressure: 30.16 inches Hg

METHOD OF INSTALLATION AND PURGING:

Advance a Geoprobe 7822 DT to 8 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 0.5 feet bgs, and seal to surface with hydrated bentonite.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** NA
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):	0.15	
PURGE FLOW RATE (ML/MIN):	150	
PID AFTER PURGE (PPM):	1.6	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	12.1%	14.2%
HELIUM TEST IN TUBE (PPM):	0.0	0.0
SAMPLE START TIME:	10:48	
SAMPLE STOP TIME:	12:48	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (L/MIN):	0.05	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.9	
SAMPLE MOISTURE CONTENT:	NA	
CAN SERIAL NUMBER:	37807	
REGULATOR SERIAL NUMBER:	7268	
CAN START VACUUM PRESS. (" HG):	-29.19	
CAN STOP VACUUM PRESS. (" HG):	-4.96	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (FEET FROM SURFACE)**	**NOTES**
SURFACE		
Top of Seal	0.00	
Top of Pack	0.50	
Probe Depth	8.00	

SAMPLE LOCATION SKETCH

See Sample Location Plan

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: SV07_121721

PROJECT: 459 Smith Street	**PROJECT NO.:** 170420201
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 16.03 (NAVD88)
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 12/16/2021 — **DATE FINISHED:** 12/16/2021
INSTALLATION FOREMAN: Jose Garcia	**SAMPLE DATE STARTED:** 12/17/2021 — **DATE FINISHED:** 12/17/2021
INSTALLATION EQUIPMENT: Geoprobe® 7822 DT	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister
INSPECTOR: Andrew Nesci	**SAMPLER:** Andrew Nesci
POTENTIAL SAMPLE INTERFERENCES: NA	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**
	Temp: 57-60ºF
	Wind: NW @ 12-17 mph
	Precipitation: NA
	Pressure: 30.16 inches Hg

METHOD OF INSTALLATION AND PURGING:

Advance a Geoprobe 7822 DT to 7.5 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 0.5 feet bgs, and seal to surface with hydrated bentonite.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** NA
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):	0.15	
PURGE FLOW RATE (ML/MIN):	150	
PID AFTER PURGE (PPM):	2.9	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	10.4%	10.4%
HELIUM TEST IN TUBE (PPM):	0.0	0.0
SAMPLE START TIME:	10:47	
SAMPLE STOP TIME:	12:47	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (L/MIN):	0.05	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	2.8	
SAMPLE MOISTURE CONTENT:	NA	
CAN SERIAL NUMBER:	23994	
REGULATOR SERIAL NUMBER:	6872	
CAN START VACUUM PRESS. (" HG):	-29.03	
CAN STOP VACUUM PRESS. (" HG):	-4.30	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	**DEPTH (FEET FROM SURFACE)**	**NOTES**
SURFACE		
Top of Seal	0.00	
Top of Pack	0.50	
Probe Depth	7.50	

SAMPLE LOCATION SKETCH

See Sample Location Plan

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: SV08_121721

PROJECT: 459 Smith Street	**PROJECT NO.:** 170420201
LOCATION: Brooklyn, NY	**SURFACE ELEVATION AND DATUM:** 17.78 (NAVD88)
DRILLING FIRM OR LANGAN INSTALLER: AARCO Environmental Services Corp.	**INSTALLATION DATE STARTED:** 12/16/2021 — **DATE FINISHED:** 12/16/2021
INSTALLATION FOREMAN: Jose Garcia	**SAMPLE DATE STARTED:** 12/17/2021 — **DATE FINISHED:** 12/17/2021
INSTALLATION EQUIPMENT: Geoprobe® 7822 DT	**TYPE OF SAMPLING DEVICE:** 6-Liter Summa Canister
INSPECTOR: Andrew Nesci	**SAMPLER:** Andrew Nesci
POTENTIAL SAMPLE INTERFERENCES: NA	**WEATHER CONDITIONS (PRECIP., TEMP., PRESS., WIND SPEED AND DIR.):**

Temp:	57-60ºF
Wind:	NW @ 12-17 mph
Precipitation:	NA
Pressure:	30.16 inches Hg

METHOD OF INSTALLATION AND PURGING:

Advance a Geoprobe 7822 DT to 6.5 feet below grade surface (bgs), install 2-inch soil vapor probe, backfill with No. 2 sand to 0.5 feet bgs, and seal to surface with hydrated bentonite.

TUBING TYPE/DIAMETER: 3/16-inch ID, 1/4-inch OD Teflon-Lined Polyethylene Tubing	**TYPE OF MATERIAL ABOVE SEAL:** NA
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):	0.15	
PURGE FLOW RATE (ML/MIN):	150	
PID AFTER PURGE (PPM):	0.9	
HELIUM TESTS	Pre-sampling	Post-sampling
HELIUM TEST IN BUCKET(%):	10.8%	12.0%
HELIUM TEST IN TUBE (PPM):	0.0	0.0
SAMPLE START TIME:	10:53	
SAMPLE STOP TIME:	12:53	
TOTAL SAMPLE TIME (MIN):	120	
REGULATOR FLOW RATE (L/MIN):	0.05	
VOLUME OF SAMPLE (LITERS):	6	
PID AFTER SAMPLE (PPM):	0.5	
SAMPLE MOISTURE CONTENT:	NA	
CAN SERIAL NUMBER:	36991	
REGULATOR SERIAL NUMBER:	Y-42	
CAN START VACUUM PRESS. (" HG):	-29.17	
CAN STOP VACUUM PRESS. (" HG):	-6.73	

IMPLANT/PROBE DETAILS (SEAL, FILTER, ETC.)	DEPTH (FEET FROM SURFACE)	NOTES
SURFACE		
Top of Seal	0.00	
Top of Pack	0.50	
Probe Depth	6.50	

SAMPLE LOCATION SKETCH

See Sample Location Plan

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

ATTACHMENT F
Laboratory Reports

Technical Report

prepared for:

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

Report Date: 12/27/2021
Client Project ID: 170420201
York Project (SDG) No.: 21L0804

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

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

Report Date: 12/27/2021
Client Project ID: 170420201
York Project (SDG) No.: 21L0804

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

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 December 14, 2021 and listed below. The project was identified as your project: **170420201**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L0804-01	CGMW36_121421	Water	12/14/2021	12/14/2021
21L0804-02	CGMW37_121421	Water	12/14/2021	12/14/2021
21L0804-03	GWDUP01_121421	Water	12/14/2021	12/14/2021
21L0804-04	GWFB01_121421	Water	12/14/2021	12/14/2021
21L0804-05	CGMW38_121421	Water	12/14/2021	12/14/2021
21L0804-06	CGMW39_121421	Water	12/14/2021	12/14/2021
21L0804-07	SOFB01_121421	Water	12/14/2021	12/14/2021
21L0804-08	FB01_121421	Water	12/14/2021	12/14/2021
21L0804-09	EP10_0-2	Soil	12/14/2021	12/14/2021
21L0804-10	EP12_0-2	Soil	12/14/2021	12/14/2021
21L0804-11	EP13_0-2	Soil	12/14/2021	12/14/2021
21L0804-12	EP10_6-8	Soil	12/14/2021	12/14/2021
21L0804-13	EP12_9-11	Soil	12/14/2021	12/14/2021
21L0804-14	EP13_6-8	Soil	12/14/2021	12/14/2021

General Notes for York Project (SDG) No.: 21L0804

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

Approved By **Date:** 12/27/2021

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **CGMW36_121421** **York Sample ID:** **21L0804-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 9:55 am	12/14/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

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

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	12/15/2021 07:41	12/16/2021 13:35	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*52.0 %*	*36.6-118*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**5.66**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**7.52**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**9.74**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**43.1**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**6.56**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**11.0**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL

Sample Information

Client Sample ID: **CGMW36_121421** **York Sample ID:** **21L0804-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 9:55 am	12/14/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**13.9**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 16:37	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*72.7 %*		*25-150*
Surrogate: M5PFHxA	*70.4 %*		*25-150*
Surrogate: M4PFHpA	*53.7 %*		*25-150*
Surrogate: M3PFHxS	*90.0 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*107 %*		*25-150*
Surrogate: M6PFDA	*106 %*		*25-150*
Surrogate: M7PFUdA	*90.4 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*87.4 %*		*25-150*
Surrogate: M2PFTeDA	*76.0 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*70.7 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*92.4 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*60.8 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*8.90 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*84.0 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*101 %*		*25-150*
Surrogate: M2-6:2 FTS	*142 %*		*25-200*
Surrogate: M2-8:2 FTS	*119 %*		*25-200*
Surrogate: M9PFNA	*101 %*		*25-150*

Sample Information

Client Sample ID: CGMW37_121421 **York Sample ID:** 21L0804-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 11:55 am	12/14/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

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

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	12/15/2021 07:41	12/16/2021 13:52	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*48.0 %*	*36.6-118*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**3.41**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**5.50**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**3.74**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**18.6**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**3.89**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**4.97**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL

Sample Information

Client Sample ID: **CGMW37_121421** **York Sample ID:** **21L0804-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 11:55 am	12/14/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**9.57**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:14	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*112 %*	*25-150*
Surrogate: M5PFHxA	*96.3 %*	*25-150*
Surrogate: M4PFHpA	*110 %*	*25-150*
Surrogate: M3PFHxS	*112 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*106 %*	*25-150*
Surrogate: M6PFDA	*91.4 %*	*25-150*
Surrogate: M7PFUdA	*91.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*104 %*	*25-150*
Surrogate: M2PFTeDA	*70.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*90.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*105 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*98.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*12.5 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*87.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*87.3 %*	*25-150*
Surrogate: M2-6:2 FTS	*72.2 %*	*25-200*
Surrogate: M2-8:2 FTS	*89.2 %*	*25-200*
Surrogate: M9PFNA	*88.3 %*	*25-150*

Sample Information

Client Sample ID: GWDUP01_121421 **York Sample ID:** 21L0804-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:00 pm	12/14/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

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

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	12/15/2021 07:41	12/16/2021 14:09	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*48.0 %*	*36.6-118*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**5.94**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**7.41**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**9.33**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**2.39**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**43.0**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**6.18**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**8.44**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL

Sample Information

Client Sample ID: **GWDUP01_121421** **York Sample ID:** **21L0804-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:00 pm	12/14/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**9.63**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:26	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*76.9 %*		*25-150*
Surrogate: M5PFHxA	*68.6 %*		*25-150*
Surrogate: M4PFHpA	*57.3 %*		*25-150*
Surrogate: M3PFHxS	*82.9 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*114 %*		*25-150*
Surrogate: M6PFDA	*120 %*		*25-150*
Surrogate: M7PFUdA	*95.5 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*87.0 %*		*25-150*
Surrogate: M2PFTeDA	*74.5 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*69.6 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*95.4 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*58.0 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*4.08 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*92.0 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*99.4 %*		*25-150*
Surrogate: M2-6:2 FTS	*146 %*		*25-200*
Surrogate: M2-8:2 FTS	*112 %*		*25-200*
Surrogate: M9PFNA	*112 %*		*25-150*

Sample Information

Client Sample ID: GWFB01_121421

York Sample ID: 21L0804-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 10:05 am	12/14/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:39	WL

Sample Information

Client Sample ID: **GWFB01_121421** **York Sample ID:** **21L0804-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 10:05 am	12/14/2021

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**						
	Surrogate: M3PFBS	*109 %*		*25-150*						
	Surrogate: M5PFHxA	*91.2 %*		*25-150*						
	Surrogate: M4PFHpA	*110 %*		*25-150*						
	Surrogate: M3PFHxS	*114 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic aci	*100 %*		*25-150*						
	Surrogate: M6PFDA	*89.6 %*		*25-150*						
	Surrogate: M7PFUdA	*93.8 %*		*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*107 %*		*25-150*						
	Surrogate: M2PFTeDA	*68.8 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*94.2 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*93.3 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*94.6 %*		*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*11.1 %*		*10-150*						
	Surrogate: d3-N-MeFOSAA	*70.1 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*77.6 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*94.4 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*56.4 %*		*25-200*						
	Surrogate: M9PFNA	*103 %*		*25-150*						

Sample Information

Client Sample ID: **CGMW38_121421** **York Sample ID:** **21L0804-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:10 pm	12/14/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

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

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	12/15/2021 07:41	12/16/2021 14:44	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*60.0 %*	*36.6-118*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**3.35**		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**3.72**		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**5.36**		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**3.15**		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL

Sample Information

Client Sample ID: **CGMW38_121421** **York Sample ID:** **21L0804-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:10 pm	12/14/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 17:51	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*123 %*		*25-150*
Surrogate: M5PFHxA	*98.6 %*		*25-150*
Surrogate: M4PFHpA	*113 %*		*25-150*
Surrogate: M3PFHxS	*118 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*103 %*		*25-150*
Surrogate: M6PFDA	*95.9 %*		*25-150*
Surrogate: M7PFUdA	*84.7 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*103 %*		*25-150*
Surrogate: M2PFTeDA	*87.2 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*30.4 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*120 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*99.5 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*9.16 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*77.4 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*87.9 %*		*25-150*
Surrogate: M2-6:2 FTS	*78.3 %*		*25-200*
Surrogate: M2-8:2 FTS	*111 %*		*25-200*
Surrogate: M9PFNA	*95.8 %*		*25-150*

Sample Information

Client Sample ID: CGMW39_121421 **York Sample ID:** 21L0804-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:45 pm	12/14/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

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

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	12/15/2021 07:41	12/16/2021 15:01	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*56.0 %*	*36.6-118*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**2.35**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**4.22**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**2.60**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**17.2**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**5.34**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**4.45**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
754-91-6	*** Perfluoro-1-octanesulfonamide (FOSA)**	**32.2**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL

Sample Information

Client Sample ID: **CGMW39_121421** **York Sample ID:** **21L0804-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:45 pm	12/14/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.81	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**6.26**		ng/L	1.92	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:03	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*94.9 %*		*25-150*
Surrogate: M5PFHxA	*78.4 %*		*25-150*
Surrogate: M4PFHpA	*85.9 %*		*25-150*
Surrogate: M3PFHxS	*101 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*94.7 %*		*25-150*
Surrogate: M6PFDA	*77.6 %*		*25-150*
Surrogate: M7PFUdA	*85.1 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*85.6 %*		*25-150*
Surrogate: M2PFTeDA	*68.5 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*87.2 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*101 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*81.5 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*0.00205 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*77.2 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*70.6 %*		*25-150*
Surrogate: M2-6:2 FTS	*61.7 %*		*25-200*
Surrogate: M2-8:2 FTS	*73.0 %*		*25-200*
Surrogate: M9PFNA	*78.2 %*		*25-150*

Sample Information

Client Sample ID: **SOFB01_121421** **York Sample ID:** **21L0804-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:44 pm	12/14/2021

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
754-91-6	*** Perfluoro-1-octanesulfonamide (FOSA)**	**2.00**		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.85	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 18:28	WL

Sample Information

Client Sample ID: **SOFB01_121421** **York Sample ID:** **21L0804-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:44 pm	12/14/2021

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**						
	Surrogate: M3PFBS	*109 %*		*25-150*						
	Surrogate: M5PFHxA	*17.8 %*	PFSu-L	*25-150*						
	Surrogate: M4PFHpA	*21.5 %*	PFSu-L	*25-150*						
	Surrogate: M3PFHxS	*109 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C8]octanoic aci	*27.4 %*		*25-150*						
	Surrogate: M6PFDA	*30.2 %*		*25-150*						
	Surrogate: M7PFUdA	*23.5 %*	PFSu-L	*25-150*						
	Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*24.3 %*	PFSu-L	*25-150*						
	Surrogate: M2PFTeDA	*52.0 %*		*10-150*						
	Surrogate: Perfluoro-n-[13C4]butanoic aci	*17.2 %*	PFSu-L	*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*110 %*		*25-150*						
	Surrogate: Perfluoro-n-[13C5]pentanoic ac	*18.3 %*	PFSu-L	*25-150*						
	Surrogate: Perfluoro-1-[13C8]octanesulfor	*0.127 %*	PFSu-L	*10-150*						
	Surrogate: d3-N-MeFOSAA	*42.5 %*		*25-150*						
	Surrogate: d5-N-EtFOSAA	*39.0 %*		*25-150*						
	Surrogate: M2-6:2 FTS	*76.6 %*		*25-200*						
	Surrogate: M2-8:2 FTS	*75.1 %*		*25-200*						
	Surrogate: M9PFNA	*28.4 %*		*25-150*						

Sample Information

Client Sample ID: **FB01_121421** **York Sample ID:** **21L0804-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:40 pm	12/14/2021

Volatiles, 8260 Low 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	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: FB01_121421 **York Sample ID:** 21L0804-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:40 pm	12/14/2021

Volatiles, 8260 Low 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
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **FB01_121421** **York Sample ID:** **21L0804-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:40 pm	12/14/2021

Volatiles, 8260 Low 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
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	**Methylene chloride**	**1.43**		ug/L	1.00	2.00	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: **FB01_121421** **York Sample ID:** **21L0804-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:40 pm	12/14/2021

Volatiles, 8260 Low 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
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/16/2021 06:23	12/16/2021 17:38	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*85.3 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*109 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*79-122*

Semivolatiles, 8270 Low 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	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **FB01_121421** **York Sample ID:** **21L0804-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:40 pm	12/14/2021

Semivolatiles, 8270 Low 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
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-58-7	2-Chloronaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-57-8	2-Chlorophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-57-6	2-Methylnaphthalene	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	5.56	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
98-55-5	* Alpha Terpineol	ND		ug/L	5.56	11.1	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	PADEP		
62-53-3	Aniline	ND		ug/L	2.78	5.56	1	EPA 8270D	12/20/2021 07:53	12/20/2021 17:52	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **FB01_121421** **York Sample ID:** **21L0804-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:40 pm	12/14/2021

Semivolatiles, 8270 Low 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
100-52-7	Benzaldehyde	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
92-87-5	Benzidine	ND		ug/L	5.56	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
65-85-0	Benzoic acid	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.11	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
105-60-2	Caprolactam	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
86-74-8	Carbazole	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
132-64-9	Dibenzofuran	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.56	11.1	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
78-59-1	Isophorone	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH
108-95-2	Phenol	ND		ug/L	2.78	5.56	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/20/2021 17:52	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*28.3 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*16.5 %*	*10.1-41.7*

Sample Information

Client Sample ID: **FB01_121421** **York Sample ID:** **21L0804-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:40 pm	12/14/2021

Semivolatiles, 8270 Low 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
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*61.6 %*			*50.2-113*						
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*59.8 %*			*39.9-105*						
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*80.8 %*			*39.3-151*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*70.2 %*			*30.7-106*						

Semivolatiles, 8270 Low 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	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/21/2021 14:15	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/21/2021 14:15	KH
120-12-7	Anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/21/2021 14:15	KH
1912-24-9	Atrazine	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	12/20/2021 07:53	12/21/2021 14:15	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/21/2021 14:15	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/21/2021 14:15	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/21/2021 14:15	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/21/2021 14:15	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/21/2021 14:15	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	12/20/2021 07:53	12/21/2021 14:15	KH
218-01-9	Chrysene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/21/2021 14:15	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/21/2021 14:15	KH
206-44-0	Fluoranthene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/21/2021 14:15	KH
86-73-7	Fluorene	ND		ug/L	0.0556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 07:53	12/21/2021 14:15	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0222	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	12/20/2021 07:53	12/21/2021 14:15	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	12/20/2021 07:53	12/21/2021 14:15	KH
67-72-1	Hexachloroethane	ND		ug/L	0.556	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	12/20/2021 07:53	12/21/2021 14:15	KH

Sample Information

Client Sample ID: **FB01_121421** **York Sample ID:** **21L0804-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:40 pm	12/14/2021

Semivolatiles, 8270 Low 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
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM	12/20/2021 07:53	12/21/2021 14:15	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	Naphthalene	ND		ug/L	0.0556	1	EPA 8270D SIM	12/20/2021 07:53	12/21/2021 14:15	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		ug/L	0.278	1	EPA 8270D SIM	12/20/2021 07:53	12/21/2021 14:15	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.556	1	EPA 8270D SIM	12/20/2021 07:53	12/21/2021 14:15	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
87-86-5	Pentachlorophenol	ND		ug/L	0.278	1	EPA 8270D SIM	12/20/2021 07:53	12/21/2021 14:15	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP			
85-01-8	Phenanthrene	ND		ug/L	0.0556	1	EPA 8270D SIM	12/20/2021 07:53	12/21/2021 14:15	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	Pyrene	ND		ug/L	0.0556	1	EPA 8270D SIM	12/20/2021 07:53	12/21/2021 14:15	KH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

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

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM	12/15/2021 07:41	12/16/2021 15:18	KH
							Certifications: NJDEP,NELAC-NY10854			

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*52.0 %*	*36.6-118*

Pesticides, 8081 List

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
72-54-8	4,4'-DDD	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-55-9	4,4'-DDE	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
50-29-3	4,4'-DDT	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
309-00-2	Aldrin	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-84-6	alpha-BHC	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5103-71-9	alpha-Chlordane	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
319-85-7	beta-BHC	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **FB01_121421** **York Sample ID:** **21L0804-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:40 pm	12/14/2021

Pesticides, 8081 List

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
319-86-8	delta-BHC	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
60-57-1	Dieldrin	ND		ug/L	0.00216	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		ug/L	0.0108	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		ug/L	0.0108	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		ug/L	0.0108	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-44-8	Heptachlor	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		ug/L	0.00432	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		ug/L	0.108	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
57-74-9	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0108	1	EPA 8081B	12/15/2021 13:33	12/17/2021 17:44	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*81.1 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*81.3 %*	*30-150*

Polychlorinated Biphenyls, 8082 List

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	0.0541	1	EPA 8082A	12/15/2021 13:33	12/17/2021 21:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		ug/L	0.0541	1	EPA 8082A	12/15/2021 13:33	12/17/2021 21:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: **FB01_121421** **York Sample ID:** **21L0804-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:40 pm	12/14/2021

Polychlorinated Biphenyls, 8082 List

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
11141-16-5	Aroclor 1232	ND		ug/L	0.0541	1	EPA 8082A	12/15/2021 13:33	12/17/2021 21:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		ug/L	0.0541	1	EPA 8082A	12/15/2021 13:33	12/17/2021 21:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		ug/L	0.0541	1	EPA 8082A	12/15/2021 13:33	12/17/2021 21:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		ug/L	0.0541	1	EPA 8082A	12/15/2021 13:33	12/17/2021 21:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		ug/L	0.0541	1	EPA 8082A	12/15/2021 13:33	12/17/2021 21:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		ug/L	0.0541	1	EPA 8082A	12/15/2021 13:33	12/17/2021 21:23	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*83.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*59.5 %*	*30-120*

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	12/17/2021 07:44	12/18/2021 18:40	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	12/17/2021 07:44	12/18/2021 18:40	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	12/17/2021 07:44	12/18/2021 18:40	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*101 %*	*30-150*

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	ND		mg/L	0.0556	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **FB01_121421** **York Sample ID:** **21L0804-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:40 pm	12/14/2021

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	0.00444	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D	12/17/2021 10:09	12/17/2021 17:06	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

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 6020B	12/16/2021 09:10	12/20/2021 15:45	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B	12/16/2021 09:10	12/20/2021 15:45	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B	12/16/2021 09:10	12/20/2021 15:45	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B	12/16/2021 09:10	12/20/2021 15:45	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B	12/16/2021 09:10	12/20/2021 15:45	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B	12/16/2021 09:10	12/20/2021 15:45	EM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **FB01_121421** **York Sample ID:** **21L0804-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Water	December 14, 2021 3:40 pm	12/14/2021

Mercury by 7470/7471

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

Sample Prepared by Method: EPA SW846-7470A

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	0.0002	1	EPA 7470	12/14/2021 22:01	12/14/2021 22:01	AD
							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		mg/L	0.0100	1	EPA 7196A	12/14/2021 17:20	12/14/2021 22:28	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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	ND		mg/L	0.0100	1	Calculation	12/21/2021 16:35	12/21/2021 16:50	PAM
							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	12/16/2021 13:25	12/16/2021 18:33	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP10_0-2** **York Sample ID:** **21L0804-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:55 pm	12/14/2021

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	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0053**	B, CCV-E	mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP10_0-2** **York Sample ID:** **21L0804-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:55 pm	12/14/2021

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	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0054**	ICV-E, J	mg/kg dry	0.0053	0.011	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP10_0-2

York Sample ID: 21L0804-09

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:55 pm	12/14/2021

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	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP10_0-2** **York Sample ID:** **21L0804-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:55 pm	12/14/2021

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	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0079	0.016	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:07	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.2 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*97.2 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	**1,4-Dichlorobenzene**	**0.0730**	J	mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP10_0-2** **York Sample ID:** **21L0804-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:55 pm	12/14/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
91-57-6	**2-Methylnaphthalene**	**0.138**		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
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	12/21/2021 13:58	12/22/2021 10:20	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
83-32-9	**Acenaphthene**	**0.166**		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
208-96-8	**Acenaphthylene**	**0.739**		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
62-53-3	Aniline	ND		mg/kg dry	0.179	0.359	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
120-12-7	**Anthracene**	**0.663**		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH

Sample Information

Client Sample ID: **EP10_0-2** **York Sample ID:** **21L0804-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:55 pm	12/14/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.359	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
56-55-3	**Benzo(a)anthracene**	**1.54**		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
50-32-8	**Benzo(a)pyrene**	**1.79**		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
205-99-2	**Benzo(b)fluoranthene**	**1.32**		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
191-24-2	**Benzo(g,h,i)perylene**	**1.30**		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
207-08-9	**Benzo(k)fluoranthene**	**1.15**		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
85-68-7	**Benzyl butyl phthalate**	**3.70**		mg/kg dry	0.112	0.224	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/23/2021 04:53	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**1.10**		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0895	0.179	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
86-74-8	**Carbazole**	**0.197**		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
218-01-9	**Chrysene**	**1.62**		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.434**		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
132-64-9	**Dibenzofuran**	**0.0959**		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:20	KH

Sample Information

Client Sample ID: **EP10_0-2** **York Sample ID:** **21L0804-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:55 pm	12/14/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**2.86**		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**0.156**		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1.40**		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
78-59-1	Isophorone	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.274**		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**1.95**		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0449	0.0895	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:20	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**2.51**		mg/kg dry	0.112	0.224	5	EPA 8270D	12/21/2021 13:58	12/23/2021 04:53	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*79.6 %*		*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*77.4 %*		*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*117 %*	S-08	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*82.3 %*		*21-113*

Sample Information

Client Sample ID: **EP10_0-2** **York Sample ID:** **21L0804-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:55 pm	12/14/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*76.2 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*96.8 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/22/2021 14:07	12/23/2021 11:22	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.415**		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL

Sample Information

Client Sample ID: **EP10_0-2** **York Sample ID:** **21L0804-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:55 pm	12/14/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.264	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:33	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*93.5 %*	*25-150*
Surrogate: M5PFHxA	*86.2 %*	*25-150*
Surrogate: M4PFHpA	*85.6 %*	*25-150*
Surrogate: M3PFHxS	*91.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*92.7 %*	*25-150*
Surrogate: M6PFDA	*77.0 %*	*25-150*
Surrogate: M7PFUdA	*76.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*76.9 %*	*25-150*
Surrogate: M2PFTeDA	*56.1 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*85.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*83.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*86.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*60.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*79.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*64.8 %*	*25-150*
Surrogate: M2-6:2 FTS	*59.5 %*	*25-200*
Surrogate: M2-8:2 FTS	*62.7 %*	*25-200*
Surrogate: M9PFNA	*87.5 %*	*25-150*

Sample Information

Client Sample ID: **EP10_0-2** **York Sample ID:** **21L0804-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:55 pm	12/14/2021

Pesticides, 8081 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	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.175	5	EPA 8081B	12/21/2021 13:24	12/27/2021 11:44	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP10_0-2** **York Sample ID:** **21L0804-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:55 pm	12/14/2021

Pesticides, 8081 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

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*85.2 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*51.3 %*	*30-150*

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/21/2021 13:24	12/22/2021 14:46	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/21/2021 13:24	12/22/2021 14:46	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/21/2021 13:24	12/22/2021 14:46	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/21/2021 13:24	12/22/2021 14:46	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/21/2021 13:24	12/22/2021 14:46	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/21/2021 13:24	12/22/2021 14:46	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/21/2021 13:24	12/22/2021 14:46	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications:	12/21/2021 13:24	12/22/2021 14:46	BJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*58.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*42.5 %*	*30-120*

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0216	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:27	12/23/2021 18:00	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0216	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:27	12/23/2021 18:00	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0216	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:27	12/23/2021 18:00	BJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*85.0 %*	*21-150*

Sample Information

Client Sample ID: **EP10_0-2** **York Sample ID:** **21L0804-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:55 pm	12/14/2021

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**	**7740**		mg/kg dry	5.46	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.73	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**8.59**		mg/kg dry	1.64	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**110**		mg/kg dry	2.73	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**2.51**		mg/kg dry	0.327	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**112000**	B	mg/kg dry	5.46	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**24.3**		mg/kg dry	0.546	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.01**		mg/kg dry	0.437	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**96.5**		mg/kg dry	2.18	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**15100**		mg/kg dry	27.3	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**152**		mg/kg dry	0.546	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**12600**		mg/kg dry	5.46	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**250**		mg/kg dry	0.546	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**27.0**		mg/kg dry	1.09	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1240**		mg/kg dry	5.46	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.73	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**1.19**		mg/kg dry	0.546	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**351**		mg/kg dry	54.6	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.73	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**20.0**		mg/kg dry	1.09	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP10_0-2** **York Sample ID:** **21L0804-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:55 pm	12/14/2021

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
7440-66-6	**Zinc**	**163**		mg/kg dry	2.73	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:25	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.573**		mg/kg dry	0.0327	1	EPA 7473	12/20/2021 16:21	12/20/2021 18:15	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	0.546	1	EPA 7196A	12/20/2021 09:04	12/20/2021 16:16	JAG
							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**	**24.3**		mg/kg	0.500	1	Calculation	12/21/2021 16:37	12/21/2021 16:50	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	0.546	1	EPA 9014/9010C	12/20/2021 13:43	12/20/2021 16:19	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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**	**91.6**		%	0.100	1	SM 2540G	12/20/2021 19:21	12/21/2021 12:11	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **EP12_0-2** **York Sample ID:** **21L0804-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

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	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.094	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0038**	B, CCV-E, J	mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP12_0-2 **York Sample ID:** 21L0804-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

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	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP12_0-2

York Sample ID: 21L0804-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

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	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP12_0-2** **York Sample ID:** **21L0804-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

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	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:33	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.2 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.4 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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	0.0875	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0875	0.175	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:50	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:50	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:50	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0875	0.175	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:50	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0875	0.175	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D	12/21/2021 13:58	12/22/2021 10:50	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP12_0-2** **York Sample ID:** **21L0804-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
91-57-6	**2-Methylnaphthalene**	**0.110**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0875	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0875	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0875	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0875	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0875	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
83-32-9	**Acenaphthene**	**0.102**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
208-96-8	**Acenaphthylene**	**0.321**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
62-53-3	Aniline	ND		mg/kg dry	0.175	0.350	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
120-12-7	**Anthracene**	**0.318**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH

Sample Information

Client Sample ID: **EP12_0-2** **York Sample ID:** **21L0804-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
92-87-5	Benzidine	ND		mg/kg dry	0.175	0.350	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
56-55-3	**Benzo(a)anthracene**	**0.741**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
50-32-8	**Benzo(a)pyrene**	**0.599**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
205-99-2	**Benzo(b)fluoranthene**	**0.413**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.442**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
207-08-9	**Benzo(k)fluoranthene**	**0.413**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
85-68-7	**Benzyl butyl phthalate**	**2.44**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.115**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0875	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
86-74-8	**Carbazole**	**0.0560**	J	mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
218-01-9	**Chrysene**	**0.751**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.157**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
132-64-9	**Dibenzofuran**	**0.0741**	J	mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH

Sample Information

Client Sample ID: **EP12_0-2** **York Sample ID:** **21L0804-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
206-44-0	**Fluoranthene**	**1.52**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
86-73-7	**Fluorene**	**0.185**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.503**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
91-20-3	**Naphthalene**	**0.211**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
85-01-8	**Phenanthrene**	**1.25**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
108-95-2	Phenol	ND		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH
129-00-0	**Pyrene**	**2.01**		mg/kg dry	0.0439	0.0875	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 10:50	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*69.7 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*66.7 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*107 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*74.6 %*	*21-113*

Sample Information

Client Sample ID: EP12_0-2 **York Sample ID:** 21L0804-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*61.2 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*82.9 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/22/2021 14:07	12/23/2021 11:39	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*44.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL

Sample Information

Client Sample ID: **EP12_0-2** **York Sample ID:** **21L0804-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.257	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 22:57	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.9 %*	*25-150*
Surrogate: M5PFHxA	*90.3 %*	*25-150*
Surrogate: M4PFHpA	*93.7 %*	*25-150*
Surrogate: M3PFHxS	*84.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*91.7 %*	*25-150*
Surrogate: M6PFDA	*68.4 %*	*25-150*
Surrogate: M7PFUdA	*68.0 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*76.5 %*	*25-150*
Surrogate: M2PFTeDA	*58.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*82.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*68.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*83.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*61.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*61.5 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*59.8 %*	*25-150*
Surrogate: M2-6:2 FTS	*48.0 %*	*25-200*
Surrogate: M2-8:2 FTS	*53.2 %*	*25-200*
Surrogate: M9PFNA	*83.5 %*	*25-150*

Sample Information

Client Sample ID: **EP12_0-2** **York Sample ID:** **21L0804-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

Pesticides, 8081 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	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.172	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:01	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP12_0-2** **York Sample ID:** **21L0804-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

Pesticides, 8081 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
	Surrogate Recoveries	**Result**		**Acceptance Range**						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*53.9 %*		*30-150*						
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*29.9 %*	S-GC	*30-150*						

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0174	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:08	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0174	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:08	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0174	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:08	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0174	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:08	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0174	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:08	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0174	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:08	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0174	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:08	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0174	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:08	BJ
							Certifications:			
	Surrogate Recoveries	**Result**		**Acceptance Range**						
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*35.5 %*		*30-120*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*29.5 %*	S-GC	*30-120*						

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0210	1	EPA 8151A	12/23/2021 07:26	12/23/2021 21:25	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0210	1	EPA 8151A	12/23/2021 07:26	12/23/2021 21:25	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0210	1	EPA 8151A	12/23/2021 07:26	12/23/2021 21:25	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
	Surrogate Recoveries	**Result**		**Acceptance Range**						
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*72.0 %*		*21-150*						

Sample Information

Client Sample ID: **EP12_0-2** **York Sample ID:** **21L0804-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

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**	**6270**		mg/kg dry	5.26	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.63	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**12.5**		mg/kg dry	1.58	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**154**		mg/kg dry	2.63	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.225**		mg/kg dry	0.053	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.387**		mg/kg dry	0.316	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**154000**	B	mg/kg dry	5.26	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**10.8**		mg/kg dry	0.526	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**8.44**		mg/kg dry	0.421	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**34.4**		mg/kg dry	2.11	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**14700**		mg/kg dry	26.3	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**69.4**		mg/kg dry	0.526	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**13100**		mg/kg dry	5.26	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**480**		mg/kg dry	0.526	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**18.2**		mg/kg dry	1.05	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1280**		mg/kg dry	5.26	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.63	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.526	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**154**		mg/kg dry	52.6	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.63	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**15.6**		mg/kg dry	1.05	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP12_0-2** **York Sample ID:** **21L0804-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

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
7440-66-6	**Zinc**	**61.0**		mg/kg dry	2.63	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:27	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0316	1	EPA 7473	12/20/2021 16:21	12/20/2021 18:23	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	0.526	1	EPA 7196A	12/20/2021 09:04	12/20/2021 16:16	JAG
							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**	**10.8**		mg/kg	0.500	1	Calculation	12/21/2021 16:37	12/21/2021 16:50	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	0.526	1	EPA 9014/9010C	12/20/2021 13:43	12/20/2021 16:19	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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	12/20/2021 19:21	12/21/2021 12:11	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **EP13_0-2** **York Sample ID:** **21L0804-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:26 pm	12/14/2021

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	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.053	0.11	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	**2-Butanone**	**0.0045**	B, CCV-E, J	mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP13_0-2** **York Sample ID:** **21L0804-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:26 pm	12/14/2021

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	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0069**	ICV-E, J	mg/kg dry	0.0053	0.011	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP13_0-2** **York Sample ID:** **21L0804-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:26 pm	12/14/2021

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	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.042**		mg/kg dry	0.0053	0.011	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0053	0.011	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP13_0-2** **York Sample ID:** **21L0804-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:26 pm	12/14/2021

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	0.0053	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C	12/19/2021 06:08	12/19/2021 13:58	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*96.5 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.8 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP13_0-2** **York Sample ID:** **21L0804-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:26 pm	12/14/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
91-57-6	**2-Methylnaphthalene**	**0.198**		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
208-96-8	**Acenaphthylene**	**0.254**		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
62-53-3	Aniline	ND		mg/kg dry	0.192	0.384	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
120-12-7	**Anthracene**	**0.159**		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH

Sample Information

Client Sample ID: **EP13_0-2** **York Sample ID:** **21L0804-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:26 pm	12/14/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
92-87-5	Benzidine	ND		mg/kg dry	0.192	0.384	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
56-55-3	**Benzo(a)anthracene**	**0.423**		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
50-32-8	**Benzo(a)pyrene**	**0.405**		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
205-99-2	**Benzo(b)fluoranthene**	**0.285**		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.344**		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
207-08-9	**Benzo(k)fluoranthene**	**0.258**		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
65-85-0	**Benzoic acid**	**0.0935**	J	mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
85-68-7	**Benzyl butyl phthalate**	**129**		mg/kg dry	4.80	9.58	200	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/23/2021 12:20	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**1.05**		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0958	0.191	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
218-01-9	**Chrysene**	**0.428**		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.0896**	J	mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 13:58	12/22/2021 11:21	KH

Sample Information

Client Sample ID: **EP13_0-2** **York Sample ID:** **21L0804-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:26 pm	12/14/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	**Di-n-butyl phthalate**	**0.359**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**0.648**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.341**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
78-59-1	Isophorone	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.788**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**0.316**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.837**		mg/kg dry	0.0480	0.0958	2	EPA 8270D	12/21/2021 13:58	12/22/2021 11:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*60.2 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*66.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*106 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*73.6 %*	*21-113*

Sample Information

Client Sample ID: **EP13_0-2** **York Sample ID:** **21L0804-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:26 pm	12/14/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*10.6 %*	S-08		*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*85.6 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/22/2021 14:07	12/23/2021 11:56	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*46.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL

Sample Information

Client Sample ID: **EP13_0-2** **York Sample ID:** **21L0804-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:26 pm	12/14/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.289	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:10	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*95.8 %*	*25-150*
Surrogate: M5PFHxA	*88.7 %*	*25-150*
Surrogate: M4PFHpA	*99.0 %*	*25-150*
Surrogate: M3PFHxS	*106 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*87.8 %*	*25-150*
Surrogate: M6PFDA	*75.6 %*	*25-150*
Surrogate: M7PFUdA	*80.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*88.0 %*	*25-150*
Surrogate: M2PFTeDA	*70.0 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*91.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*80.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*91.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*76.7 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*66.5 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*61.8 %*	*25-150*
Surrogate: M2-6:2 FTS	*69.6 %*	*25-200*
Surrogate: M2-8:2 FTS	*62.2 %*	*25-200*
Surrogate: M9PFNA	*83.5 %*	*25-150*

Sample Information

Client Sample ID: **EP13_0-2** **York Sample ID:** **21L0804-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:26 pm	12/14/2021

Pesticides, 8081 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	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.189	5	EPA 8081B	12/21/2021 13:24	12/27/2021 12:18	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP13_0-2** **York Sample ID:** **21L0804-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:26 pm	12/14/2021

Pesticides, 8081 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

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*73.2 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*42.6 %*	*30-150*

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0191	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:24	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0191	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:24	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0191	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:24	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0191	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:24	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0191	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:24	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0191	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:24	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0191	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:24	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0191	1	EPA 8082A	12/21/2021 13:24	12/22/2021 16:24	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*51.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*38.5 %*	*30-120*

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.114	1	EPA 8151A	12/23/2021 07:26	12/23/2021 21:36	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.114	1	EPA 8151A	12/23/2021 07:26	12/23/2021 21:36	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.114	1	EPA 8151A	12/23/2021 07:26	12/23/2021 21:36	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*59.8 %*	*21-150*

Sample Information

Client Sample ID: **EP13_0-2** **York Sample ID:** **21L0804-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:26 pm	12/14/2021

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**	**6860**		mg/kg dry	5.78	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.89	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**2.80**		mg/kg dry	1.74	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**57.5**		mg/kg dry	2.89	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.384**		mg/kg dry	0.347	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**56500**	B	mg/kg dry	5.78	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**25.4**		mg/kg dry	0.578	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.64**		mg/kg dry	0.463	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**27.7**		mg/kg dry	2.31	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**20500**		mg/kg dry	28.9	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**43.4**		mg/kg dry	0.578	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**6320**		mg/kg dry	5.78	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**334**		mg/kg dry	0.578	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**18.0**		mg/kg dry	1.16	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1170**		mg/kg dry	5.78	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.89	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.578	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**223**		mg/kg dry	57.8	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.89	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**26.0**		mg/kg dry	1.16	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP13_0-2** **York Sample ID:** **21L0804-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:26 pm	12/14/2021

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
7440-66-6	**Zinc**	**84.0**		mg/kg dry	2.89	1	EPA 6010D	12/16/2021 15:27	12/18/2021 00:30	EM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.363**		mg/kg dry	0.0347	1	EPA 7473	12/20/2021 16:21	12/20/2021 18:32	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	0.578	1	EPA 7196A	12/20/2021 09:04	12/20/2021 16:16	JAG
							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**	**25.4**		mg/kg	0.500	1	Calculation	12/21/2021 16:37	12/21/2021 16:50	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	0.578	1	EPA 9014/9010C	12/20/2021 13:43	12/20/2021 16:19	ZTS
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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**	**86.4**		%	0.100	1	SM 2540G	12/20/2021 19:21	12/21/2021 12:11	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **EP10_6-8** **York Sample ID:** **21L0804-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 3:00 pm	12/14/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/22/2021 14:07	12/23/2021 12:13	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*50.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL

Sample Information

Client Sample ID: **EP10_6-8** **York Sample ID:** **21L0804-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 3:00 pm	12/14/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.281	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:22	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*97.4 %*	*25-150*
Surrogate: M5PFHxA	*89.3 %*	*25-150*
Surrogate: M4PFHpA	*105 %*	*25-150*
Surrogate: M3PFHxS	*91.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*102 %*	*25-150*
Surrogate: M6PFDA	*70.5 %*	*25-150*
Surrogate: M7PFUdA	*75.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*85.0 %*	*25-150*
Surrogate: M2PFTeDA	*57.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*91.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*85.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*95.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*69.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*61.3 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*65.6 %*	*25-150*
Surrogate: M2-6:2 FTS	*49.0 %*	*25-200*
Surrogate: M2-8:2 FTS	*67.0 %*	*25-200*
Surrogate: M9PFNA	*79.2 %*	*25-150*

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**	**88.1**		%	0.100	1	SM 2540G Certifications: CTDOH	12/20/2021 19:21	12/21/2021 12:11	TJA

Sample Information

Client Sample ID: **EP12_9-11** **York Sample ID:** **21L0804-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/22/2021 14:07	12/23/2021 12:30	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*46.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**0.899**		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL

Sample Information

Client Sample ID: **EP12_9-11** **York Sample ID:** **21L0804-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 2:28 pm	12/14/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:34	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*88.5 %*	*25-150*
Surrogate: M5PFHxA	*84.9 %*	*25-150*
Surrogate: M4PFHpA	*93.5 %*	*25-150*
Surrogate: M3PFHxS	*96.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*104 %*	*25-150*
Surrogate: M6PFDA	*80.3 %*	*25-150*
Surrogate: M7PFUdA	*76.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*90.2 %*	*25-150*
Surrogate: M2PFTeDA	*64.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*81.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*84.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*86.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*61.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*87.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*81.7 %*	*25-150*
Surrogate: M2-6:2 FTS	*91.6 %*	*25-200*
Surrogate: M2-8:2 FTS	*78.3 %*	*25-200*
Surrogate: M9PFNA	*109 %*	*25-150*

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**94.0**		%	0.100	1	SM 2540G Certifications: CTDOH	12/20/2021 19:21	12/21/2021 12:11	TJA

Sample Information

Client Sample ID: **EP13_6-8** **York Sample ID:** **21L0804-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:03 pm	12/14/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/22/2021 14:07	12/23/2021 13:04	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*48.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL

Sample Information

Client Sample ID: **EP13_6-8** **York Sample ID:** **21L0804-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0804	170420201	Soil	December 14, 2021 1:03 pm	12/14/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/16/2021 16:30	12/20/2021 23:46	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*91.7 %*	*25-150*
Surrogate: M5PFHxA	*82.9 %*	*25-150*
Surrogate: M4PFHpA	*100 %*	*25-150*
Surrogate: M3PFHxS	*94.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*101 %*	*25-150*
Surrogate: M6PFDA	*85.0 %*	*25-150*
Surrogate: M7PFUdA	*72.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*90.6 %*	*25-150*
Surrogate: M2PFTeDA	*71.0 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*86.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*67.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*88.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*57.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*61.5 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*97.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*91.5 %*	*25-200*
Surrogate: M2-8:2 FTS	*50.2 %*	*25-200*
Surrogate: M9PFNA	*78.5 %*	*25-150*

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**	**90.0**		%	0.100	1	SM 2540G Certifications: CTDOH	12/20/2021 19:21	12/21/2021 12:11	TJA

Analytical Batch Summary

Batch ID: BL11978 **Preparation Method:** EPA 5030B **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-08	FB01_121421	12/16/21
BL11978-BLK1	Blank	12/13/21
BL11978-BS1	LCS	12/13/21
BL11978-BSD1	LCS Dup	12/13/21

Batch ID: BL12043 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-01	CGMW36_121421	12/15/21
21L0804-02	CGMW37_121421	12/15/21
21L0804-03	GWDUP01_121421	12/15/21
21L0804-05	CGMW38_121421	12/15/21
21L0804-06	CGMW39_121421	12/15/21
21L0804-08	FB01_121421	12/15/21
BL12043-BLK1	Blank	12/15/21
BL12043-BS1	LCS	12/15/21
BL12043-MS1	Matrix Spike	12/15/21
BL12043-MSD1	Matrix Spike Dup	12/15/21

Batch ID: BL12081 **Preparation Method:** Analysis Preparation **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-08	FB01_121421	12/14/21
BL12081-BLK1	Blank	12/14/21
BL12081-BS1	LCS	12/14/21
BL12081-DUP1	Duplicate	12/14/21
BL12081-MS1	Matrix Spike	12/14/21

Batch ID: BL12096 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-08	FB01_121421	12/14/21
BL12096-BLK1	Blank	12/14/21
BL12096-BS1	LCS	12/14/21
BL12096-BS2	LCS	12/14/21

Batch ID: BL12130 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** GMA

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-08	FB01_121421	12/15/21
21L0804-08	FB01_121421	12/15/21
BL12130-BLK1	Blank	12/15/21
BL12130-BS1	LCS	12/15/21

BL12130-BSD1	LCS Dup	12/15/21

Batch ID: BL12203 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-08	FB01_121421	12/16/21
BL12203-BLK1	Blank	12/16/21
BL12203-BS1	LCS	12/16/21
BL12203-DUP1	Duplicate	12/16/21
BL12203-MS1	Matrix Spike	12/16/21

Batch ID: BL12242 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-08	FB01_121421	12/16/21
BL12242-BLK1	Blank	12/16/21
BL12242-BS1	LCS	12/16/21
BL12242-DUP1	Duplicate	12/16/21
BL12242-MS1	Matrix Spike	12/16/21

Batch ID: BL12268 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-09	EP10_0-2	12/16/21
21L0804-10	EP12_0-2	12/16/21
21L0804-11	EP13_0-2	12/16/21
BL12268-BLK1	Blank	12/16/21
BL12268-DUP1	Duplicate	12/16/21
BL12268-MS1	Matrix Spike	12/16/21
BL12268-PS1	Post Spike	12/16/21
BL12268-SRM1	Reference	12/16/21

Batch ID: BL12277 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-09	EP10_0-2	12/16/21
21L0804-10	EP12_0-2	12/16/21
21L0804-11	EP13_0-2	12/16/21
21L0804-12	EP10_6-8	12/16/21
21L0804-13	EP12_9-11	12/16/21
21L0804-14	EP13_6-8	12/16/21
BL12277-BLK1	Blank	12/16/21
BL12277-BS1	LCS	12/16/21
BL12277-MS1	Matrix Spike	12/16/21
BL12277-MSD1	Matrix Spike Dup	12/16/21

Batch ID: BL12301 **Preparation Method:** EPA 8151A **Prepared By:** MC

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-08	FB01_121421	12/17/21
BL12301-BLK1	Blank	12/17/21
BL12301-BS1	LCS	12/17/21
BL12301-BSD1	LCS Dup	12/17/21

Batch ID: BL12319 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-08	FB01_121421	12/17/21
BL12319-BLK1	Blank	12/17/21
BL12319-BS1	LCS	12/17/21
BL12319-DUP1	Duplicate	12/17/21
BL12319-MS1	Matrix Spike	12/17/21
BL12319-PS1	Post Spike	12/17/21

Batch ID: BL12336 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-01	CGMW36_121421	12/17/21
21L0804-02	CGMW37_121421	12/17/21
21L0804-03	GWDUP01_121421	12/17/21
21L0804-04	GWFB01_121421	12/17/21
21L0804-05	CGMW38_121421	12/17/21
21L0804-06	CGMW39_121421	12/17/21
21L0804-07	SOFB01_121421	12/17/21
BL12336-BLK1	Blank	12/17/21
BL12336-BS1	LCS	12/17/21
BL12336-MS1	Matrix Spike	12/17/21
BL12336-MSD1	Matrix Spike Dup	12/17/21

Batch ID: BL12415 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-09	EP10_0-2	12/19/21
21L0804-10	EP12_0-2	12/19/21
21L0804-11	EP13_0-2	12/19/21
BL12415-BLK1	Blank	12/19/21
BL12415-BLK2	Blank	12/19/21
BL12415-BLK3	Blank	12/19/21
BL12415-BS1	LCS	12/19/21
BL12415-BSD1	LCS Dup	12/19/21
BL12415-MS1	Matrix Spike	12/19/21
BL12415-MSD1	Matrix Spike Dup	12/19/21

Batch ID: BL12429 **Preparation Method:** EPA 3510C **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date

21L0804-08	FB01_121421	12/20/21
BL12429-BLK1	Blank	12/20/21
BL12429-BLK2	Blank	12/20/21
BL12429-BS1	LCS	12/20/21
BL12429-BS2	LCS	12/20/21
BL12429-BSD1	LCS Dup	12/20/21

Batch ID: BL12436 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-09	EP10_0-2	12/20/21
21L0804-10	EP12_0-2	12/20/21
21L0804-11	EP13_0-2	12/20/21
BL12436-BLK1	Blank	12/20/21
BL12436-DUP1	Duplicate	12/20/21
BL12436-MS1	Matrix Spike	12/20/21
BL12436-SRM1	Reference	12/20/21

Batch ID: BL12451 **Preparation Method:** EPA 7473 soil **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-09	EP10_0-2	12/20/21
21L0804-10	EP12_0-2	12/20/21
21L0804-11	EP13_0-2	12/20/21
BL12451-BLK1	Blank	12/20/21
BL12451-DUP1	Duplicate	12/20/21
BL12451-MS1	Matrix Spike	12/20/21
BL12451-SRM1	Reference	12/20/21

Batch ID: BL12478 **Preparation Method:** Analysis Preparation Soil **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-09	EP10_0-2	12/20/21
21L0804-10	EP12_0-2	12/20/21
21L0804-11	EP13_0-2	12/20/21
BL12478-BLK1	Blank	12/20/21
BL12478-DUP1	Duplicate	12/20/21
BL12478-MS1	Matrix Spike	12/20/21
BL12478-SRM1	Reference	12/20/21

Batch ID: BL12527 **Preparation Method:** % Solids Prep **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-09	EP10_0-2	12/20/21
21L0804-10	EP12_0-2	12/20/21
21L0804-11	EP13_0-2	12/20/21
21L0804-12	EP10_6-8	12/20/21
21L0804-13	EP12_9-11	12/20/21
21L0804-14	EP13_6-8	12/20/21

BL12527-DUP1	Duplicate	12/20/21

Batch ID: BL12566 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-09	EP10_0-2	12/21/21
21L0804-09	EP10_0-2	12/21/21
21L0804-10	EP12_0-2	12/21/21
21L0804-10	EP12_0-2	12/21/21
21L0804-11	EP13_0-2	12/21/21
21L0804-11	EP13_0-2	12/21/21
BL12566-BLK1	Blank	12/21/21
BL12566-BLK2	Blank	12/21/21
BL12566-BS1	LCS	12/21/21
BL12566-BS2	LCS	12/21/21
BL12566-MS2	Matrix Spike	12/21/21
BL12566-MSD2	Matrix Spike Dup	12/21/21

Batch ID: BL12574 **Preparation Method:** EPA 3546 SVOA **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-09	EP10_0-2	12/21/21
21L0804-09RE1	EP10_0-2	12/21/21
21L0804-10	EP12_0-2	12/21/21
21L0804-11	EP13_0-2	12/21/21
21L0804-11RE1	EP13_0-2	12/21/21

Batch ID: BL12599 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-08	FB01_121421	12/21/21

Batch ID: BL12600 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-09	EP10_0-2	12/21/21
21L0804-10	EP12_0-2	12/21/21
21L0804-11	EP13_0-2	12/21/21

Batch ID: BL12661 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-09	EP10_0-2	12/22/21
21L0804-10	EP12_0-2	12/22/21
21L0804-11	EP13_0-2	12/22/21
21L0804-12	EP10_6-8	12/22/21
21L0804-13	EP12_9-11	12/22/21
21L0804-14	EP13_6-8	12/22/21

BL12661-BLK1	Blank	12/22/21
BL12661-BS1	LCS	12/22/21
BL12661-MS1	Matrix Spike	12/22/21
BL12661-MSD1	Matrix Spike Dup	12/22/21

Batch ID: BL12711 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-10	EP12_0-2	12/23/21
21L0804-11	EP13_0-2	12/23/21
BL12711-BLK1	Blank	12/23/21
BL12711-BS1	LCS	12/23/21
BL12711-MS1	Matrix Spike	12/23/21
BL12711-MSD1	Matrix Spike Dup	12/23/21

Batch ID: BL12712 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21L0804-09	EP10_0-2	12/23/21
BL12712-BLK1	Blank	12/23/21
BL12712-BS1	LCS	12/23/21
BL12712-MS1	Matrix Spike	12/23/21
BL12712-MSD1	Matrix Spike Dup	12/23/21

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 BL11978 - EPA 5030B											
Blank (BL11978-BLK1) Blank									Prepared: 12/13/2021 Analyzed: 12/16/2021		
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	"								
1,3-Dichloropropane	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	0.500	"								
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	"								
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
Batch BL11978 - EPA 5030B											
Blank (BL11978-BLK1) Blank								Prepared: 12/13/2021 Analyzed: 12/16/2021			
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
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: SURR: 1,2-Dichloroethane-d4	*8.69*		*"*	*10.0*		*86.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*79-122*				
LCS (BL11978-BS1) LCS								Prepared: 12/13/2021 Analyzed: 12/16/2021			
1,1,1,2-Tetrachloroethane	9.43		ug/L	10.0		94.3	82-126				
1,1,1-Trichloroethane	8.98		"	10.0		89.8	78-136				
1,1,2,2-Tetrachloroethane	12.1		"	10.0		121	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.34		"	10.0		93.4	54-165				
1,1,2-Trichloroethane	9.21		"	10.0		92.1	82-123				
1,1-Dichloroethane	8.98		"	10.0		89.8	82-129				
1,1-Dichloroethylene	9.03		"	10.0		90.3	68-138				
1,2,3-Trichlorobenzene	8.99		"	10.0		89.9	76-136				
1,2,3-Trichloropropane	11.8		"	10.0		118	77-128				
1,2,4-Trichlorobenzene	8.94		"	10.0		89.4	76-137				
1,2,4-Trimethylbenzene	11.2		"	10.0		112	82-132				
1,2-Dibromo-3-chloropropane	9.82		"	10.0		98.2	45-147				
1,2-Dibromoethane	9.14		"	10.0		91.4	83-124				
1,2-Dichlorobenzene	11.0		"	10.0		110	79-123				
1,2-Dichloroethane	8.16		"	10.0		81.6	73-132				
1,2-Dichloropropane	9.95		"	10.0		99.5	78-126				
1,3,5-Trimethylbenzene	11.6		"	10.0		116	80-131				
1,3-Dichlorobenzene	10.4		"	10.0		104	86-122				
1,3-Dichloropropane	9.04		"	10.0		90.4	81-125				
1,4-Dichlorobenzene	10.8		"	10.0		108	85-124				
1,4-Dioxane	602		"	210		287	10-349				
2-Butanone	9.52		"	10.0		95.2	49-152				
2-Hexanone	8.97		"	10.0		89.7	51-146				
4-Methyl-2-pentanone	8.89		"	10.0		88.9	57-145				
Acetone	8.64		"	10.0		86.4	14-150				
Acrolein	30.8		"	10.0		308	10-153	High Bias			
Acrylonitrile	9.36		"	10.0		93.6	51-150				

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 BL11978 - EPA 5030B											
LCS (BL11978-BS1) LCS							Prepared: 12/13/2021 Analyzed: 12/16/2021				
Benzene	9.98		ug/L	10.0		99.8	85-126				
Bromochloromethane	8.82		"	10.0		88.2	77-128				
Bromodichloromethane	9.03		"	10.0		90.3	79-128				
Bromoform	8.62		"	10.0		86.2	78-133				
Bromomethane	4.30		"	10.0		43.0	43-168				
Carbon disulfide	9.01		"	10.0		90.1	68-146				
Carbon tetrachloride	9.14		"	10.0		91.4	77-141				
Chlorobenzene	9.85		"	10.0		98.5	88-120				
Chloroethane	10.5		"	10.0		105	65-136				
Chloroform	9.17		"	10.0		91.7	82-128				
Chloromethane	9.22		"	10.0		92.2	43-155				
cis-1,2-Dichloroethylene	9.11		"	10.0		91.1	83-129				
cis-1,3-Dichloropropylene	9.07		"	10.0		90.7	80-131				
Cyclohexane	6.55		"	10.0		65.5	63-149				
Dibromochloromethane	9.01		"	10.0		90.1	80-130				
Dibromomethane	8.93		"	10.0		89.3	72-134				
Dichlorodifluoromethane	11.3		"	10.0		113	44-144				
Hexachlorobutadiene	3.98		"	10.0		39.8	67-146	Low Bias			
Isopropylbenzene	12.2		"	10.0		122	76-140				
Methyl acetate	8.49		"	10.0		84.9	51-139				
Methyl tert-butyl ether (MTBE)	8.52		"	10.0		85.2	76-135				
Methylcyclohexane	9.25		"	10.0		92.5	72-143				
Methylene chloride	9.19		"	10.0		91.9	55-137				
n-Butylbenzene	8.56		"	10.0		85.6	79-132				
n-Propylbenzene	11.9		"	10.0		119	78-133				
o-Xylene	10.2		"	10.0		102	78-130				
p- & m- Xylenes	21.5		"	20.0		107	77-133				
p-Diethylbenzene	8.94		"	10.0		89.4	84-134				
p-Ethyltoluene	13.4		"	10.0		134	88-129	High Bias			
p-Isopropyltoluene	9.87		"	10.0		98.7	81-136				
sec-Butylbenzene	10.4		"	10.0		104	79-137				
Styrene	9.91		"	10.0		99.1	67-132				
tert-Butyl alcohol (TBA)	45.4		"	50.0		90.8	25-162				
tert-Butylbenzene	8.94		"	10.0		89.4	77-138				
Tetrachloroethylene	9.90		"	10.0		99.0	82-131				
Toluene	10.4		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	9.50		"	10.0		95.0	80-132				
trans-1,3-Dichloropropylene	8.69		"	10.0		86.9	78-131				
Trichloroethylene	9.74		"	10.0		97.4	82-128				
Trichlorofluoromethane	9.36		"	10.0		93.6	67-139				
Vinyl Chloride	11.2		"	10.0		112	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.46*		*"*	*10.0*		*84.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL11978 - EPA 5030B

LCS Dup (BL11978-BSD1) LCS Dup — Prepared: 12/13/2021 Analyzed: 12/16/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	8.99		ug/L	10.0		89.9	82-126		4.78	30	
1,1,1-Trichloroethane	8.52		"	10.0		85.2	78-136		5.26	30	
1,1,2,2-Tetrachloroethane	12.1		"	10.0		121	76-129		0.0828	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.72		"	10.0		87.2	54-165		6.87	30	
1,1,2-Trichloroethane	8.94		"	10.0		89.4	82-123		2.98	30	
1,1-Dichloroethane	8.66		"	10.0		86.6	82-129		3.63	30	
1,1-Dichloroethylene	8.61		"	10.0		86.1	68-138		4.76	30	
1,2,3-Trichlorobenzene	8.92		"	10.0		89.2	76-136		0.782	30	
1,2,3-Trichloropropane	11.6		"	10.0		116	77-128		1.54	30	
1,2,4-Trichlorobenzene	8.83		"	10.0		88.3	76-137		1.24	30	
1,2,4-Trimethylbenzene	11.1		"	10.0		111	82-132		1.08	30	
1,2-Dibromo-3-chloropropane	9.01		"	10.0		90.1	45-147		8.60	30	
1,2-Dibromoethane	8.82		"	10.0		88.2	83-124		3.56	30	
1,2-Dichlorobenzene	10.8		"	10.0		108	79-123		2.57	30	
1,2-Dichloroethane	8.03		"	10.0		80.3	73-132		1.61	30	
1,2-Dichloropropane	9.48		"	10.0		94.8	78-126		4.84	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		1.22	30	
1,3-Dichlorobenzene	10.3		"	10.0		103	86-122		1.16	30	
1,3-Dichloropropane	8.78		"	10.0		87.8	81-125		2.92	30	
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124		2.54	30	
1,4-Dioxane	585		"	210		278	10-349		2.97	30	
2-Butanone	9.55		"	10.0		95.5	49-152		0.315	30	
2-Hexanone	8.79		"	10.0		87.9	51-146		2.03	30	
4-Methyl-2-pentanone	8.61		"	10.0		86.1	57-145		3.20	30	
Acetone	8.43		"	10.0		84.3	14-150		2.46	30	
Acrolein	30.6		"	10.0		306	10-153	High Bias	0.782	30	
Acrylonitrile	9.30		"	10.0		93.0	51-150		0.643	30	
Benzene	9.55		"	10.0		95.5	85-126		4.40	30	
Bromochloromethane	8.68		"	10.0		86.8	77-128		1.60	30	
Bromodichloromethane	8.68		"	10.0		86.8	79-128		3.95	30	
Bromoform	8.30		"	10.0		83.0	78-133		3.78	30	
Bromomethane	4.22		"	10.0		42.2	43-168	Low Bias	1.88	30	
Carbon disulfide	8.64		"	10.0		86.4	68-146		4.19	30	
Carbon tetrachloride	8.69		"	10.0		86.9	77-141		5.05	30	
Chlorobenzene	9.35		"	10.0		93.5	88-120		5.21	30	
Chloroethane	9.97		"	10.0		99.7	65-136		4.89	30	
Chloroform	8.90		"	10.0		89.0	82-128		2.99	30	
Chloromethane	8.89		"	10.0		88.9	43-155		3.64	30	
cis-1,2-Dichloroethylene	8.85		"	10.0		88.5	83-129		2.90	30	
cis-1,3-Dichloropropylene	8.71		"	10.0		87.1	80-131		4.05	30	
Cyclohexane	6.23		"	10.0		62.3	63-149	Low Bias	5.01	30	
Dibromochloromethane	8.61		"	10.0		86.1	80-130		4.54	30	
Dibromomethane	8.50		"	10.0		85.0	72-134		4.93	30	
Dichlorodifluoromethane	10.8		"	10.0		108	44-144		4.45	30	
Hexachlorobutadiene	4.03		"	10.0		40.3	67-146	Low Bias	1.25	30	
Isopropylbenzene	12.0		"	10.0		120	76-140		2.07	30	
Methyl acetate	8.51		"	10.0		85.1	51-139		0.235	30	
Methyl tert-butyl ether (MTBE)	8.52		"	10.0		85.2	76-135		0.00	30	
Methylcyclohexane	8.59		"	10.0		85.9	72-143		7.40	30	
Methylene chloride	8.86		"	10.0		88.6	55-137		3.66	30	
n-Butylbenzene	8.85		"	10.0		88.5	79-132		3.33	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 BL11978 - EPA 5030B											
LCS Dup (BL11978-BSD1) LCS Dup								Prepared: 12/13/2021 Analyzed: 12/16/2021			
n-Propylbenzene	11.8		ug/L	10.0		118	78-133		1.10	30	
o-Xylene	9.75		"	10.0		97.5	78-130		4.12	30	
p- & m- Xylenes	20.4		"	20.0		102	77-133		4.97	30	
p-Diethylbenzene	9.20		"	10.0		92.0	84-134		2.87	30	
p-Ethyltoluene	13.2		"	10.0		132	88-129	High Bias	1.43	30	
p-Isopropyltoluene	9.96		"	10.0		99.6	81-136		0.908	30	
sec-Butylbenzene	10.6		"	10.0		106	79-137		1.33	30	
Styrene	9.53		"	10.0		95.3	67-132		3.91	30	
tert-Butyl alcohol (TBA)	44.7		"	50.0		89.4	25-162		1.55	30	
tert-Butylbenzene	8.88		"	10.0		88.8	77-138		0.673	30	
Tetrachloroethylene	9.14		"	10.0		91.4	82-131		7.98	30	
Toluene	9.78		"	10.0		97.8	80-127		5.86	30	
trans-1,2-Dichloroethylene	9.01		"	10.0		90.1	80-132		5.29	30	
trans-1,3-Dichloropropylene	8.43		"	10.0		84.3	78-131		3.04	30	
Trichloroethylene	9.10		"	10.0		91.0	82-128		6.79	30	
Trichlorofluoromethane	8.75		"	10.0		87.5	67-139		6.74	30	
Vinyl Chloride	10.5		"	10.0		105	58-145		6.27	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.66*		*"*	*10.0*		*86.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*79-122*				
Batch BL12415 - EPA 5035A											
Blank (BL12415-BLK1) Blank								Prepared & Analyzed: 12/19/2021			
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	0.0043	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	"								

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 BL12415 - EPA 5035A											
Blank (BL12415-BLK1) Blank								Prepared & Analyzed: 12/19/2021			
Bromochloromethane	ND	0.0050	mg/kg wet								
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	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.4*		*ug/L*	*50.0*		*98.8*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.9*		*"*	*50.0*		*97.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.0*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12415 - EPA 5035A											
Blank (BL12415-BLK2) HB-21L0804								Prepared & Analyzed: 12/19/2021			
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	0.0046	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
Batch BL12415 - EPA 5035A											
Blank (BL12415-BLK2) HB-21L0804							Prepared & Analyzed: 12/19/2021				
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	*45.8*		*ug/L*	*50.0*		*91.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.8*		*"*	*50.0*		*97.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.8*		*"*	*50.0*		*108*	*76-130*				
Blank (BL12415-BLK3) HB-21L0819							Prepared & Analyzed: 12/19/2021				
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	0.0039	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	"								

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 BL12415 - EPA 5035A											
Blank (BL12415-BLK3) HB-21L0819								Prepared & Analyzed: 12/19/2021			
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.1*		*ug/L*	*50.0*		*94.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.9*		*"*	*50.0*		*97.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.1*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12415 - EPA 5035A											
LCS (BL12415-BS1) LCS							Prepared & Analyzed: 12/19/2021				
1,1,1,2-Tetrachloroethane	49.2		ug/L	50.0		98.3	75-129				
1,1,1-Trichloroethane	52.3		"	50.0		105	71-137				
1,1,2,2-Tetrachloroethane	51.7		"	50.0		103	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.1		"	50.0		100	58-146				
1,1,2-Trichloroethane	48.0		"	50.0		96.1	83-123				
1,1-Dichloroethane	46.2		"	50.0		92.5	75-130				
1,1-Dichloroethylene	40.9		"	50.0		81.8	64-137				
1,2,3-Trichlorobenzene	60.9		"	50.0		122	81-140				
1,2,3-Trichloropropane	53.3		"	50.0		107	81-126				
1,2,4-Trichlorobenzene	61.6		"	50.0		123	80-141				
1,2,4-Trimethylbenzene	51.5		"	50.0		103	84-125				
1,2-Dibromo-3-chloropropane	45.9		"	50.0		91.8	74-142				
1,2-Dibromoethane	52.1		"	50.0		104	86-123				
1,2-Dichlorobenzene	51.7		"	50.0		103	85-122				
1,2-Dichloroethane	44.4		"	50.0		88.8	71-133				
1,2-Dichloropropane	43.1		"	50.0		86.3	81-122				
1,3,5-Trimethylbenzene	49.5		"	50.0		99.0	82-126				
1,3-Dichlorobenzene	54.3		"	50.0		109	84-124				
1,4-Dichlorobenzene	53.8		"	50.0		108	84-124				
1,4-Dioxane	1110		"	1050		106	10-228				
2-Butanone	54.7		"	50.0		109	58-147				
2-Hexanone	38.8		"	50.0		77.5	70-139				
4-Methyl-2-pentanone	33.6		"	50.0		67.1	72-132	Low Bias			
Acetone	36.7		"	50.0		73.5	36-155				
Acrolein	75.5		"	50.0		151	10-238				
Acrylonitrile	47.1		"	50.0		94.2	66-141				
Benzene	50.0		"	50.0		100	77-127				
Bromochloromethane	43.6		"	50.0		87.1	74-129				
Bromodichloromethane	47.5		"	50.0		95.0	81-124				
Bromoform	54.5		"	50.0		109	80-136				
Bromomethane	33.0		"	50.0		66.0	32-177				
Carbon disulfide	48.7		"	50.0		97.3	10-136				
Carbon tetrachloride	51.9		"	50.0		104	66-143				
Chlorobenzene	49.4		"	50.0		98.8	86-120				
Chloroethane	31.4		"	50.0		62.8	51-142				
Chloroform	50.1		"	50.0		100	76-131				
Chloromethane	26.5		"	50.0		53.1	49-132				
cis-1,2-Dichloroethylene	44.9		"	50.0		89.8	74-132				
cis-1,3-Dichloropropylene	48.5		"	50.0		96.9	81-129				
Cyclohexane	41.0		"	50.0		82.0	70-130				
Dibromochloromethane	50.7		"	50.0		101	10-200				
Dibromomethane	46.7		"	50.0		93.5	83-124				
Dichlorodifluoromethane	25.4		"	50.0		50.8	28-158				
Ethyl Benzene	47.5		"	50.0		95.0	84-125				
Hexachlorobutadiene	62.5		"	50.0		125	83-133				
Isopropylbenzene	51.0		"	50.0		102	81-127				
Methyl acetate	38.2		"	50.0		76.4	41-143				
Methyl tert-butyl ether (MTBE)	47.2		"	50.0		94.3	74-131				
Methylcyclohexane	41.5		"	50.0		83.0	70-130				
Methylene chloride	45.0		"	50.0		89.9	57-141				
n-Butylbenzene	47.2		"	50.0		94.4	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 BL12415 - EPA 5035A											
LCS (BL12415-BS1) LCS							Prepared & Analyzed: 12/19/2021				
n-Propylbenzene	48.1		ug/L	50.0		96.3	74-136				
o-Xylene	45.9		"	50.0		91.8	83-123				
p- & m- Xylenes	90.7		"	100		90.7	82-128				
p-Isopropyltoluene	53.2		"	50.0		106	85-125				
sec-Butylbenzene	53.8		"	50.0		108	83-125				
Styrene	49.1		"	50.0		98.2	86-126				
tert-Butyl alcohol (TBA)	277		"	250		111	70-130				
tert-Butylbenzene	45.4		"	50.0		90.8	80-127				
Tetrachloroethylene	49.4		"	50.0		98.8	80-129				
Toluene	46.4		"	50.0		92.8	85-121				
trans-1,2-Dichloroethylene	46.2		"	50.0		92.5	72-132				
trans-1,3-Dichloropropylene	42.5		"	50.0		85.0	78-132				
Trichloroethylene	46.6		"	50.0		93.2	84-123				
Trichlorofluoromethane	35.9		"	50.0		71.8	62-140				
Vinyl Chloride	29.0		"	50.0		58.0	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*46.6*		*"*	*50.0*		*93.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.5*		*"*	*50.0*		*96.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.7*		*"*	*50.0*		*99.4*	*76-130*				
LCS Dup (BL12415-BSD1) LCS Dup							Prepared & Analyzed: 12/19/2021				
1,1,1,2-Tetrachloroethane	54.2		ug/L	50.0		108	75-129		9.81	30	
1,1,1-Trichloroethane	57.7		"	50.0		115	71-137		9.81	30	
1,1,2,2-Tetrachloroethane	56.5		"	50.0		113	79-129		8.91	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.0		"	50.0		104	58-146		3.68	30	
1,1,2-Trichloroethane	53.9		"	50.0		108	83-123		11.5	30	
1,1-Dichloroethane	50.1		"	50.0		100	75-130		7.96	30	
1,1-Dichloroethylene	43.6		"	50.0		87.2	64-137		6.34	30	
1,2,3-Trichlorobenzene	67.6		"	50.0		135	81-140		10.4	30	
1,2,3-Trichloropropane	57.2		"	50.0		114	81-126		7.12	30	
1,2,4-Trichlorobenzene	67.4		"	50.0		135	80-141		8.99	30	
1,2,4-Trimethylbenzene	55.9		"	50.0		112	84-125		8.25	30	
1,2-Dibromo-3-chloropropane	50.0		"	50.0		100	74-142		8.59	30	
1,2-Dibromoethane	56.8		"	50.0		114	86-123		8.54	30	
1,2-Dichlorobenzene	56.2		"	50.0		112	85-122		8.28	30	
1,2-Dichloroethane	49.2		"	50.0		98.3	71-133		10.1	30	
1,2-Dichloropropane	46.3		"	50.0		92.6	81-122		7.11	30	
1,3,5-Trimethylbenzene	54.0		"	50.0		108	82-126		8.77	30	
1,3-Dichlorobenzene	58.9		"	50.0		118	84-124		8.11	30	
1,4-Dichlorobenzene	59.2		"	50.0		118	84-124		9.55	30	
1,4-Dioxane	1180		"	1050		112	10-228		5.49	30	
2-Butanone	59.8		"	50.0		120	58-147		8.87	30	
2-Hexanone	41.4		"	50.0		82.8	70-139		6.56	30	
4-Methyl-2-pentanone	37.0		"	50.0		74.0	72-132		9.72	30	
Acetone	39.6		"	50.0		79.3	36-155		7.59	30	
Acrolein	86.8		"	50.0		174	10-238		13.8	30	
Acrylonitrile	51.9		"	50.0		104	66-141		9.68	30	
Benzene	55.4		"	50.0		111	77-127		10.3	30	
Bromochloromethane	48.7		"	50.0		97.3	74-129		11.1	30	
Bromodichloromethane	51.5		"	50.0		103	81-124		8.10	30	
Bromoform	59.5		"	50.0		119	80-136		8.74	30	
Bromomethane	38.5		"	50.0		77.0	32-177		15.4	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 BL12415 - EPA 5035A											
LCS Dup (BL12415-BSD1) LCS Dup							Prepared & Analyzed: 12/19/2021				
Carbon disulfide	53.6		ug/L	50.0		107	10-136		9.73	30	
Carbon tetrachloride	56.9		"	50.0		114	66-143		9.06	30	
Chlorobenzene	54.1		"	50.0		108	86-120		9.10	30	
Chloroethane	33.3		"	50.0		66.7	51-142		6.03	30	
Chloroform	55.3		"	50.0		111	76-131		9.83	30	
Chloromethane	29.2		"	50.0		58.3	49-132		9.41	30	
cis-1,2-Dichloroethylene	49.4		"	50.0		98.7	74-132		9.44	30	
cis-1,3-Dichloropropylene	53.0		"	50.0		106	81-129		9.02	30	
Cyclohexane	45.5		"	50.0		90.9	70-130		10.3	30	
Dibromochloromethane	55.8		"	50.0		112	10-200		9.57	30	
Dibromomethane	50.1		"	50.0		100	83-124		6.98	30	
Dichlorodifluoromethane	26.9		"	50.0		53.8	28-158		5.73	30	
Ethyl Benzene	51.4		"	50.0		103	84-125		7.85	30	
Hexachlorobutadiene	69.5		"	50.0		139	83-133	High Bias	10.6	30	
Isopropylbenzene	54.5		"	50.0		109	81-127		6.61	30	
Methyl acetate	42.7		"	50.0		85.4	41-143		11.1	30	
Methyl tert-butyl ether (MTBE)	52.8		"	50.0		106	74-131		11.3	30	
Methylcyclohexane	45.5		"	50.0		91.1	70-130		9.31	30	
Methylene chloride	49.5		"	50.0		99.0	57-141		9.61	30	
n-Butylbenzene	50.8		"	50.0		102	80-130		7.33	30	
n-Propylbenzene	52.2		"	50.0		104	74-136		8.00	30	
o-Xylene	49.9		"	50.0		99.9	83-123		8.47	30	
p- & m- Xylenes	99.2		"	100		99.2	82-128		8.98	30	
p-Isopropyltoluene	57.4		"	50.0		115	85-125		7.65	30	
sec-Butylbenzene	58.6		"	50.0		117	83-125		8.56	30	
Styrene	54.1		"	50.0		108	86-126		9.67	30	
tert-Butyl alcohol (TBA)	312		"	250		125	70-130		11.9	30	
tert-Butylbenzene	49.3		"	50.0		98.6	80-127		8.22	30	
Tetrachloroethylene	54.0		"	50.0		108	80-129		8.95	30	
Toluene	50.5		"	50.0		101	85-121		8.50	30	
trans-1,2-Dichloroethylene	50.7		"	50.0		101	72-132		9.28	30	
trans-1,3-Dichloropropylene	46.7		"	50.0		93.5	78-132		9.48	30	
Trichloroethylene	50.8		"	50.0		102	84-123		8.58	30	
Trichlorofluoromethane	38.5		"	50.0		77.1	62-140		7.09	30	
Vinyl Chloride	31.4		"	50.0		62.9	52-130		8.04	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.2*		*"*	*50.0*		*94.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.5*		*"*	*50.0*		*96.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.9*		*"*	*50.0*		*99.8*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12415 - EPA 5035A

Matrix Spike (BL12415-MS1) Matrix Spike *Source sample: 21L0816-03 (Matrix Spike) Prepared & Analyzed: 12/19/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	32.8		ug/L	50.0	0.00	65.7	15-161				
1,1,1-Trichloroethane	34.6		"	50.0	0.00	69.2	42-145				
1,1,2,2-Tetrachloroethane	41.0		"	50.0	0.00	81.9	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	35.4		"	50.0	0.00	70.7	11-160				
1,1,2-Trichloroethane	38.8		"	50.0	0.00	77.5	44-145				
1,1-Dichloroethane	36.1		"	50.0	0.00	72.3	46-142				
1,1-Dichloroethylene	31.6		"	50.0	0.00	63.3	30-153				
1,2,3-Trichlorobenzene	43.0		"	50.0	0.00	86.0	10-157				
1,2,3-Trichloropropane	44.3		"	50.0	0.00	88.5	38-155				
1,2,4-Trichlorobenzene	38.3		"	50.0	0.00	76.5	10-151				
1,2,4-Trimethylbenzene	38.7		"	50.0	0.00	77.4	10-170				
1,2-Dibromo-3-chloropropane	27.8		"	50.0	0.00	55.5	36-138				
1,2-Dibromoethane	41.2		"	50.0	0.00	82.4	40-142				
1,2-Dichlorobenzene	38.3		"	50.0	0.00	76.6	10-147				
1,2-Dichloroethane	35.1		"	50.0	0.00	70.1	48-133				
1,2-Dichloropropane	34.1		"	50.0	0.00	68.2	47-141				
1,3,5-Trimethylbenzene	36.2		"	50.0	0.00	72.3	10-150				
1,3-Dichlorobenzene	39.8		"	50.0	0.00	79.6	10-144				
1,4-Dichlorobenzene	39.3		"	50.0	0.00	78.7	10-160				
1,4-Dioxane	887		"	1050	0.00	84.5	10-191				
2-Butanone	41.9		"	50.0	4.31	75.3	10-189				
2-Hexanone	28.8		"	50.0	0.00	57.6	10-181				
4-Methyl-2-pentanone	25.8		"	50.0	0.00	51.7	10-166				
Acetone	28.9		"	50.0	5.16	47.4	10-196				
Acrolein	56.9		"	50.0	0.00	114	10-192				
Acrylonitrile	36.4		"	50.0	0.00	72.7	13-161				
Benzene	39.4		"	50.0	0.00	78.7	43-139				
Bromochloromethane	35.0		"	50.0	0.00	70.0	38-145				
Bromodichloromethane	32.2		"	50.0	0.00	64.5	38-147				
Bromoform	32.8		"	50.0	0.00	65.7	29-156				
Bromomethane	20.7		"	50.0	0.00	41.4	10-166				
Carbon disulfide	37.1		"	50.0	0.00	74.3	10-131				
Carbon tetrachloride	29.9		"	50.0	0.00	59.8	35-145				
Chlorobenzene	37.6		"	50.0	0.00	75.2	21-154				
Chloroethane	20.7		"	50.0	0.00	41.4	15-160				
Chloroform	38.5		"	50.0	0.00	77.1	47-142				
Chloromethane	19.2		"	50.0	0.00	38.3	10-159				
cis-1,2-Dichloroethylene	34.5		"	50.0	0.00	69.1	42-144				
cis-1,3-Dichloropropylene	32.0		"	50.0	0.00	63.9	18-159				
Cyclohexane	30.6		"	50.0	0.00	61.3	70-130	Low Bias			
Dibromochloromethane	33.8		"	50.0	0.00	67.5	10-179				
Dibromomethane	36.7		"	50.0	0.00	73.4	47-143				
Dichlorodifluoromethane	15.0		"	50.0	0.00	30.0	10-145				
Ethyl Benzene	35.4		"	50.0	0.00	70.9	11-158				
Hexachlorobutadiene	40.4		"	50.0	0.00	80.9	10-158				
Isopropylbenzene	38.6		"	50.0	0.00	77.1	10-162				
Methyl acetate	34.2		"	50.0	0.00	68.4	10-149				
Methyl tert-butyl ether (MTBE)	39.2		"	50.0	0.00	78.3	42-152				
Methylcyclohexane	28.1		"	50.0	0.00	56.2	70-130	Low Bias			
Methylene chloride	44.9		"	50.0	81.8	NR	28-151	Low Bias			
n-Butylbenzene	30.9		"	50.0	0.00	61.7	10-162				

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 BL12415 - EPA 5035A											
Matrix Spike (BL12415-MS1) Matrix Spike	*Source sample: 21L0816-03 (Matrix Spike)							Prepared & Analyzed: 12/19/2021			
n-Propylbenzene	34.7		ug/L	50.0	0.00	69.3	10-155				
o-Xylene	34.4		"	50.0	0.00	68.9	10-158				
p- & m- Xylenes	65.2		"	100	0.00	65.2	10-156				
p-Isopropyltoluene	37.1		"	50.0	0.00	74.3	10-147				
sec-Butylbenzene	39.1		"	50.0	0.00	78.3	10-157				
Styrene	36.6		"	50.0	0.00	73.1	13-171				
tert-Butyl alcohol (TBA)	172		"	250	0.00	68.8	34-179				
tert-Butylbenzene	35.4		"	50.0	0.00	70.7	10-160				
Tetrachloroethylene	35.8		"	50.0	0.00	71.7	30-167				
Toluene	35.0		"	50.0	0.00	70.1	21-160				
trans-1,2-Dichloroethylene	35.2		"	50.0	0.00	70.4	29-153				
trans-1,3-Dichloropropylene	26.8		"	50.0	0.00	53.6	18-155				
Trichloroethylene	35.5		"	50.0	0.00	71.0	24-169				
Trichlorofluoromethane	24.9		"	50.0	0.00	49.8	35-142				
Vinyl Chloride	20.7		"	50.0	0.00	41.4	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*46.0*		*"*	*50.0*		*92.0*	*77-125*				
Surrogate: SURR: Toluene-d8	*46.1*		*"*	*50.0*		*92.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.5*		*"*	*50.0*		*103*	*76-130*				
Matrix Spike Dup (BL12415-M Matrix Spike Dup	*Source sample: 21L0816-03 (Matrix Spike Dup)							Prepared & Analyzed: 12/19/2021			
1,1,1,2-Tetrachloroethane	35.2		ug/L	50.0	0.00	70.4	15-161		6.96	33	
1,1,1-Trichloroethane	38.3		"	50.0	0.00	76.6	42-145		10.1	30	
1,1,2,2-Tetrachloroethane	41.9		"	50.0	0.00	83.8	16-167		2.25	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	34.9		"	50.0	0.00	69.8	11-160		1.34	31	
1,1,2-Trichloroethane	39.1		"	50.0	0.00	78.2	44-145		0.796	40	
1,1-Dichloroethane	36.2		"	50.0	0.00	72.3	46-142		0.0553	36	
1,1-Dichloroethylene	31.6		"	50.0	0.00	63.3	30-153		0.0632	31	
1,2,3-Trichlorobenzene	41.9		"	50.0	0.00	83.9	10-157		2.54	47	
1,2,3-Trichloropropane	44.2		"	50.0	0.00	88.3	38-155		0.271	48	
1,2,4-Trichlorobenzene	38.4		"	50.0	0.00	76.9	10-151		0.443	52	
1,2,4-Trimethylbenzene	36.9		"	50.0	0.00	73.9	10-170		4.63	242	
1,2-Dibromo-3-chloropropane	31.2		"	50.0	0.00	62.3	36-138		11.5	54	
1,2-Dibromoethane	41.4		"	50.0	0.00	82.8	40-142		0.460	39	
1,2-Dichlorobenzene	37.2		"	50.0	0.00	74.3	10-147		3.10	52	
1,2-Dichloroethane	35.5		"	50.0	0.00	71.1	48-133		1.30	32	
1,2-Dichloropropane	34.1		"	50.0	0.00	68.2	47-141		0.0293	37	
1,3,5-Trimethylbenzene	35.3		"	50.0	0.00	70.6	10-150		2.38	62	
1,3-Dichlorobenzene	38.1		"	50.0	0.00	76.2	10-144		4.34	51	
1,4-Dichlorobenzene	37.9		"	50.0	0.00	75.8	10-160		3.73	52	
1,4-Dioxane	927		"	1050	0.00	88.3	10-191		4.39	196	
2-Butanone	45.9		"	50.0	3.99	83.9	10-189		9.08	67	
2-Hexanone	30.4		"	50.0	0.00	60.9	10-181		5.43	60	
4-Methyl-2-pentanone	26.8		"	50.0	0.00	53.6	10-166		3.68	47	
Acetone	30.6		"	50.0	4.77	51.7	10-196		5.88	150	
Acrolein	60.0		"	50.0	0.00	120	10-192		5.30	128	
Acrylonitrile	38.1		"	50.0	0.00	76.2	13-161		4.73	48	
Benzene	39.2		"	50.0	0.00	78.4	43-139		0.407	64	
Bromochloromethane	34.9		"	50.0	0.00	69.7	38-145		0.372	30	
Bromodichloromethane	34.4		"	50.0	0.00	68.8	38-147		6.39	37	
Bromoform	37.1		"	50.0	0.00	74.1	29-156		12.1	51	
Bromomethane	21.8		"	50.0	0.00	43.6	10-166		5.08	42	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12415 - EPA 5035A

Matrix Spike Dup (BL12415-M Matrix Spike Dup *Source sample: 21L0816-03 (Matrix Spike Dup) Prepared & Analyzed: 12/19/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Carbon disulfide	37.1		ug/L	50.0	0.00	74.2	10-131		0.162	36	
Carbon tetrachloride	34.9		"	50.0	0.00	69.9	35-145		15.5	31	
Chlorobenzene	36.6		"	50.0	0.00	73.3	21-154		2.56	32	
Chloroethane	20.4		"	50.0	0.00	40.8	15-160		1.41	40	
Chloroform	39.1		"	50.0	0.00	78.3	47-142		1.55	29	
Chloromethane	20.0		"	50.0	0.00	40.0	10-159		4.34	31	
cis-1,2-Dichloroethylene	35.1		"	50.0	0.00	70.1	42-144		1.49	30	
cis-1,3-Dichloropropylene	33.7		"	50.0	0.00	67.5	18-159		5.39	39	
Cyclohexane	29.3		"	50.0	0.00	58.5	70-130	Low Bias	4.57	30	
Dibromochloromethane	36.7		"	50.0	0.00	73.4	10-179		8.40	41	
Dibromomethane	36.2		"	50.0	0.00	72.5	47-143		1.23	41	
Dichlorodifluoromethane	15.4		"	50.0	0.00	30.8	10-145		2.56	34	
Ethyl Benzene	34.5		"	50.0	0.00	68.9	11-158		2.78	42	
Hexachlorobutadiene	39.1		"	50.0	0.00	78.1	10-158		3.50	45	
Isopropylbenzene	37.5		"	50.0	0.00	75.0	10-162		2.76	57	
Methyl acetate	36.8		"	50.0	0.00	73.6	10-149		7.38	64	
Methyl tert-butyl ether (MTBE)	40.0		"	50.0	0.00	80.0	42-152		2.15	47	
Methylcyclohexane	27.6		"	50.0	0.00	55.1	70-130	Low Bias	1.87	30	
Methylene chloride	57.9		"	50.0	75.6	NR	28-151	Low Bias	25.4	49	
n-Butylbenzene	29.6		"	50.0	0.00	59.2	10-162		4.27	96	
n-Propylbenzene	33.5		"	50.0	0.00	67.1	10-155		3.28	56	
o-Xylene	33.6		"	50.0	0.00	67.1	10-158		2.65	51	
p- & m- Xylenes	64.4		"	100	0.00	64.4	10-156		1.19	47	
p-Isopropyltoluene	36.0		"	50.0	0.00	71.9	10-147		3.26	60	
sec-Butylbenzene	38.3		"	50.0	0.00	76.6	10-157		2.17	56	
Styrene	35.8		"	50.0	0.00	71.7	13-171		2.02	39	
tert-Butyl alcohol (TBA)	222		"	250	0.00	88.7	34-179		25.2	35	
tert-Butylbenzene	33.9		"	50.0	0.00	67.9	10-160		4.10	79	
Tetrachloroethylene	35.0		"	50.0	0.00	70.1	30-167		2.31	33	
Toluene	34.3		"	50.0	0.00	68.6	21-160		2.13	50	
trans-1,2-Dichloroethylene	35.0		"	50.0	0.00	70.0	29-153		0.570	30	
trans-1,3-Dichloropropylene	29.6		"	50.0	0.00	59.2	18-155		9.86	30	
Trichloroethylene	34.6		"	50.0	0.00	69.1	24-169		2.77	30	
Trichlorofluoromethane	24.4		"	50.0	0.00	48.8	35-142		2.03	30	
Vinyl Chloride	21.2		"	50.0	0.00	42.4	12-160		2.34	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.5*		*"*	*50.0*		*95.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*46.6*		*"*	*50.0*		*93.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12429 - EPA 3510C											
Blank (BL12429-BLK1) Blank									Prepared & Analyzed: 12/20/2021		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	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	"								
Alpha Terpineol	ND	10.0	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
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	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	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
Batch BL12429 - EPA 3510C											
Blank (BL12429-BLK1) Blank								Prepared & Analyzed: 12/20/2021			
N-nitroso-di-n-propylamine	ND	5.00	ug/L								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*14.4*		*"*	*50.0*		*28.7*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*8.88*		*"*	*50.0*		*17.8*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*16.0*		*"*	*25.0*		*64.2*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.6*		*"*	*25.0*		*62.2*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*41.0*		*"*	*50.0*		*82.0*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*18.7*		*"*	*25.0*		*75.0*	*30.7-106*				
Blank (BL12429-BLK2) Blank								Prepared: 12/20/2021 Analyzed: 12/21/2021			
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	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	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Alpha Terpineol	ND	10.0	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	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
Batch BL12429 - EPA 3510C											
Blank (BL12429-BLK2) Blank									Prepared: 12/20/2021 Analyzed: 12/21/2021		
Benzo(a)anthracene	ND	0.0500	ug/L								
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	"								
Benzoic acid	ND	5.00	"								
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	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
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	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: SURR: 2-Fluorophenol	*0.00*		*"*	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		*"*	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		*"*	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		*"*	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		*"*	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		*"*	*25.0*			*30.7-106*				

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 BL12429 - EPA 3510C											
LCS (BL12429-BS1) LCS							Prepared & Analyzed: 12/20/2021				
1,1-Biphenyl	16.5	5.00	ug/L	25.0		66.1	33-95				
1,2,4,5-Tetrachlorobenzene	21.9	5.00	"	50.0		43.8	26-120				
1,2,4-Trichlorobenzene	17.0	5.00	"	25.0		68.1	20-118				
1,2-Dichlorobenzene	15.1	5.00	"	25.0		60.6	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	16.0	5.00	"	25.0		64.0	16-141				
1,3-Dichlorobenzene	14.9	5.00	"	25.0		59.5	23-117				
1,4-Dichlorobenzene	14.8	5.00	"	25.0		59.2	30-105				
2,3,4,6-Tetrachlorophenol	21.3	5.00	"	25.0		85.0	30-130				
2,4,5-Trichlorophenol	18.8	5.00	"	25.0		75.0	32-114				
2,4,6-Trichlorophenol	19.8	5.00	"	25.0		79.4	35-118				
2,4-Dichlorophenol	18.7	5.00	"	25.0		74.6	25-116				
2,4-Dimethylphenol	15.0	5.00	"	25.0		59.8	15-116				
2,4-Dinitrophenol	24.0	5.00	"	25.0		96.1	10-170				
2,4-Dinitrotoluene	19.0	5.00	"	25.0		76.1	41-128				
2,6-Dinitrotoluene	19.2	5.00	"	25.0		76.8	45-116				
2-Chloronaphthalene	16.6	5.00	"	25.0		66.4	33-112				
2-Chlorophenol	15.0	5.00	"	25.0		60.0	15-120				
2-Methylnaphthalene	17.8	5.00	"	25.0		71.3	24-118				
2-Methylphenol	13.1	5.00	"	25.0		52.4	10-110				
2-Nitroaniline	18.7	5.00	"	25.0		74.8	34-129				
2-Nitrophenol	19.8	5.00	"	25.0		79.4	28-118				
3- & 4-Methylphenols	10.3	5.00	"	25.0		41.2	10-107				
3,3-Dichlorobenzidine	12.9	5.00	"	50.0		25.7	15-187				
3-Nitroaniline	15.8	5.00	"	25.0		63.2	24-134				
4,6-Dinitro-2-methylphenol	22.8	5.00	"	25.0		91.4	10-153				
4-Bromophenyl phenyl ether	18.3	5.00	"	25.0		73.2	34-120				
4-Chloro-3-methylphenol	18.9	5.00	"	25.0		75.7	20-120				
4-Chloroaniline	14.4	5.00	"	25.0		57.7	10-147				
4-Chlorophenyl phenyl ether	17.8	5.00	"	25.0		71.3	27-121				
4-Nitroaniline	15.6	5.00	"	25.0		62.4	13-134				
4-Nitrophenol	8.05	5.00	"	25.0		32.2	10-131				
Acetophenone	17.6	5.00	"	25.0		70.2	25-110				
Aniline	10.6	5.00	"	25.0		42.3	10-117				
Benzaldehyde	16.8	5.00	"	25.0		67.4	29-117				
Benzoic acid	5.43	5.00	"	25.0		21.7	30-130	Low Bias			
Benzyl alcohol	12.6	5.00	"	25.0		50.4	10-117				
Benzyl butyl phthalate	18.4	5.00	"	25.0		73.6	29-133				
Bis(2-chloroethoxy)methane	16.0	5.00	"	25.0		63.9	10-154				
Bis(2-chloroethyl)ether	15.2	5.00	"	25.0		60.6	17-125				
Bis(2-chloroisopropyl)ether	12.9	5.00	"	25.0		51.6	10-139				
Caprolactam	4.90	5.00	"	25.0		19.6	10-137				
Carbazole	18.0	5.00	"	25.0		72.0	42-126				
Dibenzofuran	17.4	5.00	"	25.0		69.6	36-113				
Diethyl phthalate	17.7	5.00	"	25.0		70.7	38-115				
Dimethyl phthalate	17.9	5.00	"	25.0		71.5	38-129				
Di-n-butyl phthalate	18.4	5.00	"	25.0		73.6	31-120				
Di-n-octyl phthalate	19.3	5.00	"	25.0		77.2	21-149				
Hexachlorocyclopentadiene	8.57	10.0	"	25.0		34.3	10-130				
Isophorone	17.1	5.00	"	25.0		68.4	25-127				
N-nitroso-di-n-propylamine	15.2	5.00	"	25.0		60.8	26-122				
N-Nitrosodiphenylamine	20.6	5.00	"	25.0		82.2	23-149				

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 BL12429 - EPA 3510C											
LCS (BL12429-BS1) LCS							Prepared & Analyzed: 12/20/2021				
Phenol	5.52	5.00	ug/L	25.0		22.1	10-110				
Surrogate: SURR: 2-Fluorophenol	*16.2*		*"*	*50.0*		*32.3*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*10.4*		*"*	*50.0*		*20.8*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*16.6*		*"*	*25.0*		*66.5*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*16.6*		*"*	*25.0*		*66.6*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*45.7*		*"*	*50.0*		*91.4*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*17.9*		*"*	*25.0*		*71.5*	*30.7-106*				
LCS (BL12429-BS2) LCS							Prepared: 12/20/2021 Analyzed: 12/21/2021				
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2,4-Trichlorobenzene	ND	5.00	"	1.00			20-118	Low Bias			
1,2-Dichlorobenzene	ND	5.00	"	1.00			29-111	Low Bias			
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
1,3-Dichlorobenzene	ND	5.00	"	1.00			23-117	Low Bias			
1,4-Dichlorobenzene	ND	5.00	"	1.00			30-105	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.660	0.0500	"	1.00		66.0	25-116				
Acenaphthylene	0.660	0.0500	"	1.00		66.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.630	0.0500	"	1.00		63.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.720	0.0500	"	1.00		72.0	33-125				
Benzo(a)pyrene	0.580	0.0500	"	1.00		58.0	32-132				
Benzo(b)fluoranthene	0.760	0.0500	"	1.00		76.0	22-137				
Benzo(g,h,i)perylene	0.940	0.0500	"	1.00		94.0	10-138				
Benzo(k)fluoranthene	0.930	0.0500	"	1.00		93.0	20-137				

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 BL12429 - EPA 3510C											
LCS (BL12429-BS2) LCS								Prepared: 12/20/2021 Analyzed: 12/21/2021			
Benzoic acid	ND	5.00	ug/L				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			
Bis(2-ethylhexyl)phthalate	0.940	0.500	"	1.00		94.0	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	0.810	0.0500	"	1.00		81.0	32-124				
Dibenzo(a,h)anthracene	0.950	0.0500	"	1.00		95.0	16-133				
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Fluoranthene	0.750	0.0500	"	1.00		75.0	32-121				
Fluorene	0.700	0.0500	"	1.00		70.0	28-118				
Hexachlorobenzene	0.880	0.0200	"	1.00		88.0	23-124				
Hexachlorobutadiene	1.09	0.500	"	1.00		109	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	0.740	0.500	"	1.00		74.0	18-115				
Indeno(1,2,3-cd)pyrene	0.850	0.0500	"	1.00		85.0	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.720	0.0500	"	1.00		72.0	18-120				
Nitrobenzene	0.640	0.250	"	1.00		64.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	1.01	0.250	"	1.00		101	10-156				
Phenanthrene	0.890	0.0500	"	1.00		89.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.820	0.0500	"	1.00		82.0	31-132				
Surrogate: SURR: 2-Fluorophenol	*0.00*		*"*	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		*"*	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		*"*	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		*"*	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		*"*	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		*"*	*25.0*			*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12429 - EPA 3510C

LCS Dup (BL12429-BSD1) LCS Dup — Prepared & Analyzed: 12/20/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	16.6	5.00	ug/L	25.0		66.2	33-95		0.242	20	
1,2,4,5-Tetrachlorobenzene	22.0	5.00	"	50.0		43.9	26-120		0.228	20	
1,2,4-Trichlorobenzene	16.1	5.00	"	25.0		64.2	20-118		5.86	20	
1,2-Dichlorobenzene	14.1	5.00	"	25.0		56.5	29-111		6.90	20	
1,2-Diphenylhydrazine (as Azobenzene)	17.2	5.00	"	25.0		68.7	16-141		7.11	20	
1,3-Dichlorobenzene	14.1	5.00	"	25.0		56.4	23-117		5.32	20	
1,4-Dichlorobenzene	14.2	5.00	"	25.0		57.0	30-105		3.79	20	
2,3,4,6-Tetrachlorophenol	20.4	5.00	"	25.0		81.4	30-130		4.37	20	
2,4,5-Trichlorophenol	18.0	5.00	"	25.0		72.2	32-114		3.86	20	
2,4,6-Trichlorophenol	18.4	5.00	"	25.0		73.8	35-118		7.31	20	
2,4-Dichlorophenol	17.4	5.00	"	25.0		69.4	25-116		7.22	20	
2,4-Dimethylphenol	15.1	5.00	"	25.0		60.4	15-116		0.931	20	
2,4-Dinitrophenol	14.9	5.00	"	25.0		59.8	10-170		46.7	20	Non-dir.
2,4-Dinitrotoluene	20.0	5.00	"	25.0		80.0	41-128		4.97	20	
2,6-Dinitrotoluene	20.5	5.00	"	25.0		82.1	45-116		6.75	20	
2-Chloronaphthalene	16.7	5.00	"	25.0		66.9	33-112		0.720	20	
2-Chlorophenol	13.4	5.00	"	25.0		53.7	15-120		11.2	20	
2-Methylnaphthalene	17.4	5.00	"	25.0		69.6	24-118		2.50	20	
2-Methylphenol	11.6	5.00	"	25.0		46.6	10-110		11.9	20	
2-Nitroaniline	19.2	5.00	"	25.0		77.0	34-129		2.79	20	
2-Nitrophenol	18.0	5.00	"	25.0		72.2	28-118		9.50	20	
3- & 4-Methylphenols	9.18	5.00	"	25.0		36.7	10-107		11.6	20	
3,3-Dichlorobenzidine	14.1	5.00	"	50.0		28.1	15-187		8.84	20	
3-Nitroaniline	16.5	5.00	"	25.0		65.9	24-134		4.09	20	
4,6-Dinitro-2-methylphenol	17.9	5.00	"	25.0		71.7	10-153		24.2	20	Non-dir.
4-Bromophenyl phenyl ether	19.6	5.00	"	25.0		78.2	34-120		6.71	20	
4-Chloro-3-methylphenol	18.5	5.00	"	25.0		74.1	20-120		2.08	20	
4-Chloroaniline	13.6	5.00	"	25.0		54.6	10-147		5.49	20	
4-Chlorophenyl phenyl ether	18.6	5.00	"	25.0		74.4	27-121		4.23	20	
4-Nitroaniline	16.4	5.00	"	25.0		65.6	13-134		5.12	20	
4-Nitrophenol	6.35	5.00	"	25.0		25.4	10-131		23.6	20	Non-dir.
Acetophenone	16.6	5.00	"	25.0		66.5	25-110		5.38	20	
Aniline	9.73	5.00	"	25.0		38.9	10-117		8.37	20	
Benzaldehyde	16.2	5.00	"	25.0		64.7	29-117		4.12	20	
Benzoic acid	2.55	5.00	"	25.0		10.2	30-130	Low Bias	72.2	20	Non-dir.
Benzyl alcohol	11.4	5.00	"	25.0		45.6	10-117		10.1	20	
Benzyl butyl phthalate	19.5	5.00	"	25.0		78.0	29-133		5.80	20	
Bis(2-chloroethoxy)methane	15.8	5.00	"	25.0		63.0	10-154		1.39	20	
Bis(2-chloroethyl)ether	14.3	5.00	"	25.0		57.1	17-125		5.91	20	
Bis(2-chloroisopropyl)ether	12.5	5.00	"	25.0		50.1	10-139		2.91	20	
Caprolactam	4.53	5.00	"	25.0		18.1	10-137		7.85	20	
Carbazole	19.5	5.00	"	25.0		78.0	42-126		8.00	20	
Dibenzofuran	18.2	5.00	"	25.0		72.6	36-113		4.22	20	
Diethyl phthalate	18.7	5.00	"	25.0		74.9	38-115		5.77	20	
Dimethyl phthalate	18.8	5.00	"	25.0		75.2	38-129		5.02	20	
Di-n-butyl phthalate	19.6	5.00	"	25.0		78.5	31-120		6.52	20	
Di-n-octyl phthalate	20.9	5.00	"	25.0		83.7	21-149		8.10	20	
Hexachlorocyclopentadiene	8.07	10.0	"	25.0		32.3	10-130		6.01	20	
Isophorone	17.1	5.00	"	25.0		68.3	25-127		0.117	20	
N-nitroso-di-n-propylamine	14.7	5.00	"	25.0		58.8	26-122		3.21	20	
N-Nitrosodiphenylamine	21.5	5.00	"	25.0		86.1	23-149		4.61	20	

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 BL12429 - EPA 3510C											
LCS Dup (BL12429-BSD1) LCS Dup							Prepared & Analyzed: 12/20/2021				
Phenol	4.80	5.00	ug/L	25.0		19.2	10-110		14.0	20	
Surrogate: SURR: 2-Fluorophenol	*13.6*		*"*	*50.0*		*27.1*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*8.84*		*"*	*50.0*		*17.7*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*16.6*		*"*	*25.0*		*66.4*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*16.9*		*"*	*25.0*		*67.8*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*45.3*		*"*	*50.0*		*90.5*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*18.9*		*"*	*25.0*		*75.4*	*30.7-106*				

Semivolatile Organic Compounds by GC/MS/SIM - 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 BL12043 - EPA 3535A												
Blank (BL12043-BLK1)	Blank								Prepared: 12/15/2021 Analyzed: 12/16/2021			
1,4-Dioxane		ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8		*3.20*		*"*	*4.00*		*80.0*	*36.6-118*				
LCS (BL12043-BS1)	LCS								Prepared: 12/15/2021 Analyzed: 12/16/2021			
1,4-Dioxane		3.70	0.300	ug/L	4.00		92.4	50-130				
Surrogate: 1,4-Dioxane-d8		*2.08*		*"*	*4.00*		*52.0*	*36.6-118*				
Matrix Spike (BL12043-MS1)	Matrix Spike	*Source sample: 21L0804-01 (CGMW36_121421)							Prepared: 12/15/2021 Analyzed: 12/16/2021			
1,4-Dioxane		3.71	0.300	ug/L	4.00	ND	92.8	50-130				
Surrogate: 1,4-Dioxane-d8		*2.24*		*"*	*4.00*		*56.0*	*50-130*				
Matrix Spike Dup (BL12043-M	Matrix Spike Dup	*Source sample: 21L0804-01 (CGMW36_121421)							Prepared: 12/15/2021 Analyzed: 12/16/2021			
1,4-Dioxane		3.73	0.300	ug/L	4.00	ND	93.2	50-130		0.430	30	
Surrogate: 1,4-Dioxane-d8		*2.40*		*"*	*4.00*		*60.0*	*50-130*				
Batch BL12661 - EPA 3550C												
Blank (BL12661-BLK1)	Blank								Prepared: 12/22/2021 Analyzed: 12/23/2021			
1,4-Dioxane		ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8		*436*		*"*	*495*		*88.0*	*39-127.5*				
LCS (BL12661-BS1)	LCS								Prepared: 12/22/2021 Analyzed: 12/23/2021			
1,4-Dioxane		463	19.8	ug/kg	495		93.6	40-130				
Surrogate: 1,4-Dioxane-d8		*307*		*"*	*495*		*62.0*	*39-127.5*				
Matrix Spike (BL12661-MS1)	Matrix Spike	*Source sample: 21L0816-03 (Matrix Spike)							Prepared: 12/22/2021 Analyzed: 12/23/2021			
1,4-Dioxane		453	19.8	ug/kg	495	ND	91.6	40-130				
Surrogate: 1,4-Dioxane-d8		*238*		*"*	*495*		*48.0*	*40-130*				

Semivolatile Organic Compounds by GC/MS/SIM - 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 BL12661 - EPA 3550C											
Matrix Spike Dup (BL12661-M Matrix Spike Dup	*Source sample: 21L0816-03 (Matrix Spike Dup)								Prepared: 12/22/2021 Analyzed: 12/23/2021		
1,4-Dioxane	422	19.8	ug/kg	495	ND	85.2	40-130		7.24	30	
Surrogate: 1,4-Dioxane-d8	*337*		*"*	*495*		*68.0*	*40-130*				

PFAS Target compounds by LC/MS-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 BL12277 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BL12277-BLK1) Blank								Prepared: 12/16/2021 Analyzed: 12/20/2021			
Perfluorobutanesulfonic acid (PFBS)	ND	0.239	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.239	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.239	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.239	"								
Perfluorooctanoic acid (PFOA)	ND	0.239	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.239	"								
Perfluorononanoic acid (PFNA)	ND	0.239	"								
Perfluorodecanoic acid (PFDA)	ND	0.239	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.239	"								
Perfluorododecanoic acid (PFDoA)	ND	0.239	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.239	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.239	"								
N-MeFOSAA	ND	0.239	"								
N-EtFOSAA	ND	0.239	"								
Perfluoropentanoic acid (PFPeA)	ND	0.239	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.239	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.239	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.239	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.239	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.239	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.239	"								
Surrogate: M3PFBS	*4.51*		*"*	*4.43*		*102*	*25-150*				
Surrogate: M5PFHxA	*4.60*		*"*	*4.77*		*96.4*	*25-150*				
Surrogate: M4PFHpA	*5.27*		*"*	*4.77*		*110*	*25-150*				
Surrogate: M3PFHxS	*4.98*		*"*	*4.51*		*110*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.50*		*"*	*4.77*		*94.3*	*25-150*				
Surrogate: M6PFDA	*4.17*		*"*	*4.77*		*87.4*	*25-150*				
Surrogate: M7PFUdA	*4.26*		*"*	*4.77*		*89.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.48*		*"*	*4.77*		*93.8*	*25-150*				
Surrogate: M2PFTeDA	*3.83*		*"*	*4.77*		*80.3*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.40*		*"*	*4.77*		*92.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.39*		*"*	*4.57*		*96.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.61*		*"*	*4.77*		*96.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.57*		*"*	*4.77*		*74.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.37*		*"*	*4.77*		*70.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.49*		*"*	*4.77*		*73.2*	*25-150*				
Surrogate: M2-6:2 FTS	*4.31*		*"*	*4.53*		*95.2*	*25-200*				
Surrogate: M2-8:2 FTS	*2.53*		*"*	*4.57*		*55.4*	*25-200*				
Surrogate: M9PFNA	*3.98*		*"*	*4.77*		*83.4*	*25-150*				

PFAS Target compounds by LC/MS-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 BL12277 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BL12277-BS1) LCS								Prepared: 12/16/2021 Analyzed: 12/20/2021			
Perfluorobutanesulfonic acid (PFBS)	3.63	0.246	ug/kg wet	4.35		83.5	50-130				
Perfluorohexanoic acid (PFHxA)	4.70	0.246	"	4.91		95.6	50-130				
Perfluoroheptanoic acid (PFHpA)	3.53	0.246	"	4.91		71.9	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.44	0.246	"	4.47		99.2	50-130				
Perfluorooctanoic acid (PFOA)	3.94	0.246	"	4.91		80.1	50-130				
Perfluorooctanesulfonic acid (PFOS)	3.91	0.246	"	4.54		86.1	50-130				
Perfluorononanoic acid (PFNA)	4.92	0.246	"	4.91		100	50-130				
Perfluorodecanoic acid (PFDA)	4.99	0.246	"	4.91		102	50-130				
Perfluoroundecanoic acid (PFUnA)	4.68	0.246	"	4.91		95.4	50-130				
Perfluorododecanoic acid (PFDoA)	3.97	0.246	"	4.91		80.9	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.40	0.246	"	4.91		69.2	50-130				
Perfluorotetradecanoic acid (PFTA)	4.71	0.246	"	4.91		96.0	50-130				
N-MeFOSAA	4.03	0.246	"	4.91		82.1	50-130				
N-EtFOSAA	3.91	0.246	"	4.91		79.6	50-130				
Perfluoropentanoic acid (PFPeA)	4.49	0.246	"	4.91		91.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.52	0.246	"	4.91		91.9	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.12	0.246	"	4.69		109	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.44	0.246	"	4.74		93.6	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	10.2	0.246	"	4.67		218	50-200	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	8.92	0.246	"	4.72		189	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.34	0.246	"	4.91		88.4	50-130				
Surrogate: M3PFBS	*4.95*		*"*	*4.56*		*109*	*25-150*				
Surrogate: M5PFHxA	*4.52*		*"*	*4.91*		*91.9*	*25-150*				
Surrogate: M4PFHpA	*5.80*		*"*	*4.91*		*118*	*25-150*				
Surrogate: M3PFHxS	*4.44*		*"*	*4.65*		*95.5*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.38*		*"*	*4.91*		*109*	*25-150*				
Surrogate: M6PFDA	*3.33*		*"*	*4.91*		*67.9*	*25-150*				
Surrogate: M7PFUdA	*3.49*		*"*	*4.91*		*71.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.65*		*"*	*4.91*		*94.6*	*25-150*				
Surrogate: M2PFTeDA	*4.06*		*"*	*4.91*		*82.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.81*		*"*	*4.91*		*97.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.03*		*"*	*4.70*		*85.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.67*		*"*	*4.91*		*95.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.59*		*"*	*4.91*		*73.0*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.96*		*"*	*4.91*		*80.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.02*		*"*	*4.91*		*81.8*	*25-150*				
Surrogate: M2-6:2 FTS	*4.39*		*"*	*4.66*		*94.1*	*25-200*				
Surrogate: M2-8:2 FTS	*3.56*		*"*	*4.71*		*75.6*	*25-200*				
Surrogate: M9PFNA	*3.64*		*"*	*4.91*		*74.1*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12277 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BL12277-MS1) Matrix Spike *Source sample: 21L0735-03 (Matrix Spike) Prepared: 12/16/2021 Analyzed: 12/20/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	3.49	0.223	ug/kg dry	3.94	ND	88.4	25-150				
Perfluorohexanoic acid (PFHxA)	4.58	0.223	"	4.46	ND	103	25-150				
Perfluoroheptanoic acid (PFHpA)	3.93	0.223	"	4.46	ND	88.1	25-150				
Perfluorohexanesulfonic acid (PFHxS)	3.69	0.223	"	4.05	ND	91.0	25-150				
Perfluorooctanoic acid (PFOA)	3.97	0.223	"	4.46	0.215	84.3	25-150				
Perfluorooctanesulfonic acid (PFOS)	5.70	0.223	"	4.12	0.957	115	25-150				
Perfluorononanoic acid (PFNA)	5.01	0.223	"	4.46	0.0674	111	25-150				
Perfluorodecanoic acid (PFDA)	5.68	0.223	"	4.46	0.234	122	25-150				
Perfluoroundecanoic acid (PFUnA)	4.23	0.223	"	4.46	0.152	91.5	25-150				
Perfluorododecanoic acid (PFDoA)	4.14	0.223	"	4.46	0.0819	91.1	25-150				
Perfluorotridecanoic acid (PFTrDA)	3.86	0.223	"	4.46	ND	86.5	25-150				
Perfluorotetradecanoic acid (PFTA)	4.27	0.223	"	4.46	ND	96.0	25-150				
N-MeFOSAA	4.92	0.223	"	4.46	0.114	108	25-150				
N-EtFOSAA	3.48	0.223	"	4.46	0.238	72.7	25-150				
Perfluoropentanoic acid (PFPeA)	4.42	0.223	"	4.46	ND	99.2	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	3.92	0.223	"	4.46	0.0431	87.0	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.44	0.223	"	4.25	0.105	125	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.61	0.223	"	4.30	0.114	105	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	8.83	0.223	"	4.23	0.0685	207	25-200	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	9.71	0.223	"	4.28	0.0557	226	25-200	High Bias			
Perfluoro-n-butanoic acid (PFBA)	4.36	0.223	"	4.46	0.247	92.3	25-150				
Surrogate: M3PFBS	*4.17*		*"*	*4.14*		*101*	*25-150*				
Surrogate: M5PFHxA	*3.93*		*"*	*4.46*		*88.2*	*25-150*				
Surrogate: M4PFHpA	*4.63*		*"*	*4.46*		*104*	*25-150*				
Surrogate: M3PFHxS	*3.96*		*"*	*4.21*		*94.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.42*		*"*	*4.46*		*99.3*	*25-150*				
Surrogate: M6PFDA	*2.44*		*"*	*4.46*		*54.9*	*25-150*				
Surrogate: M7PFUdA	*3.21*		*"*	*4.46*		*72.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.69*		*"*	*4.46*		*82.8*	*25-150*				
Surrogate: M2PFTeDA	*3.10*		*"*	*4.46*		*69.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.10*		*"*	*4.46*		*91.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*2.93*		*"*	*4.26*		*68.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.99*		*"*	*4.46*		*89.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.93*		*"*	*4.46*		*65.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.88*		*"*	*4.46*		*64.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.60*		*"*	*4.46*		*80.9*	*25-150*				
Surrogate: M2-6:2 FTS	*3.01*		*"*	*4.23*		*71.2*	*25-200*				
Surrogate: M2-8:2 FTS	*2.41*		*"*	*4.27*		*56.4*	*25-200*				
Surrogate: M9PFNA	*3.13*		*"*	*4.46*		*70.2*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12277 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BL12277-M Matrix Spike Dup *Source sample: 21L0735-03 (Matrix Spike Dup) Prepared: 12/16/2021 Analyzed: 12/20/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.22	0.253	ug/kg dry	4.47	ND	94.3	25-150		19.0	35	
Perfluorohexanoic acid (PFHxA)	4.73	0.253	"	5.06	ND	93.5	25-150		3.17	35	
Perfluoroheptanoic acid (PFHpA)	4.49	0.253	"	5.06	ND	88.8	25-150		13.4	35	
Perfluorohexanesulfonic acid (PFHxS)	3.78	0.253	"	4.60	ND	82.2	25-150		2.42	35	
Perfluorooctanoic acid (PFOA)	5.37	0.253	"	5.06	0.215	102	25-150		29.9	35	
Perfluorooctanesulfonic acid (PFOS)	5.48	0.253	"	4.68	0.957	96.7	25-150		3.95	35	
Perfluorononanoic acid (PFNA)	4.67	0.253	"	5.06	0.0674	91.0	25-150		7.05	35	
Perfluorodecanoic acid (PFDA)	5.34	0.253	"	5.06	0.234	101	25-150		6.18	35	
Perfluoroundecanoic acid (PFUnA)	5.29	0.253	"	5.06	0.152	102	25-150		22.4	35	
Perfluorododecanoic acid (PFDoA)	5.02	0.253	"	5.06	0.0819	97.7	25-150		19.2	35	
Perfluorotridecanoic acid (PFTrDA)	4.49	0.253	"	5.06	ND	88.7	25-150		15.1	35	
Perfluorotetradecanoic acid (PFTA)	4.58	0.253	"	5.06	ND	90.5	25-150		6.80	35	
N-MeFOSAA	5.89	0.253	"	5.06	0.114	114	25-150		17.9	35	
N-EtFOSAA	5.88	0.253	"	5.06	0.238	112	25-150		51.5	35	Non-dir.
Perfluoropentanoic acid (PFPeA)	4.89	0.253	"	5.06	ND	96.8	25-150		10.2	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.55	0.253	"	5.06	ND	89.9	25-150		14.9	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.61	0.253	"	4.83	0.105	135	25-150		19.4	35	
Perfluoro-1-decanesulfonic acid (PFDS)	5.55	0.253	"	4.88	0.114	112	25-150		18.6	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	8.21	0.253	"	4.80	0.0685	170	25-200		7.23	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	12.1	0.253	"	4.85	0.0557	248	25-200	High Bias	21.8	35	
Perfluoro-n-butanoic acid (PFBA)	4.82	0.253	"	5.06	0.247	90.4	25-150		10.0	35	
Surrogate: M3PFBS	*4.40*		*"*	*4.70*		*93.7*	*25-150*				
Surrogate: M5PFHxA	*4.84*		*"*	*5.06*		*95.8*	*25-150*				
Surrogate: M4PFHpA	*5.10*		*"*	*5.06*		*101*	*25-150*				
Surrogate: M3PFHxS	*4.72*		*"*	*4.78*		*98.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.48*		*"*	*5.06*		*88.6*	*25-150*				
Surrogate: M6PFDA	*3.40*		*"*	*5.06*		*67.3*	*25-150*				
Surrogate: M7PFUdA	*3.70*		*"*	*5.06*		*73.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.09*		*"*	*5.06*		*80.9*	*25-150*				
Surrogate: M2PFTeDA	*3.52*		*"*	*5.06*		*69.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.57*		*"*	*5.06*		*90.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.41*		*"*	*4.84*		*70.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.73*		*"*	*5.06*		*93.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.31*		*"*	*5.06*		*65.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.11*		*"*	*5.06*		*61.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.82*		*"*	*5.06*		*75.6*	*25-150*				
Surrogate: M2-6:2 FTS	*4.84*		*"*	*4.80*		*101*	*25-200*				
Surrogate: M2-8:2 FTS	*2.88*		*"*	*4.84*		*59.6*	*25-200*				
Surrogate: M9PFNA	*4.17*		*"*	*5.06*		*82.5*	*25-150*				

PFAS Target compounds by LC/MS-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 BL12336 - SPE Ext-PFAS-EPA 537.1M											
Blank (BL12336-BLK1) Blank								Prepared: 12/17/2021 Analyzed: 12/20/2021			
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*67.1*		*"*	*74.3*		*90.3*	*25-150*				
Surrogate: M5PFHxA	*66.5*		*"*	*80.0*		*83.1*	*25-150*				
Surrogate: M4PFHpA	*79.5*		*"*	*80.0*		*99.4*	*25-150*				
Surrogate: M3PFHxS	*72.6*		*"*	*75.7*		*95.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.4*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M6PFDA	*77.9*		*"*	*80.0*		*97.4*	*25-150*				
Surrogate: M7PFUdA	*62.0*		*"*	*80.0*		*77.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*70.9*		*"*	*80.0*		*88.6*	*25-150*				
Surrogate: M2PFTeDA	*48.3*		*"*	*80.0*		*60.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*65.6*		*"*	*80.0*		*82.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.0*		*"*	*76.6*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*65.4*		*"*	*80.0*		*81.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*39.0*		*"*	*80.0*		*48.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*63.9*		*"*	*80.0*		*79.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*67.9*		*"*	*80.0*		*84.8*	*25-150*				
Surrogate: M2-6:2 FTS	*54.3*		*"*	*75.9*		*71.5*	*25-200*				
Surrogate: M2-8:2 FTS	*60.3*		*"*	*76.6*		*78.7*	*25-200*				
Surrogate: M9PFNA	*64.6*		*"*	*80.0*		*80.8*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12336 - SPE Ext-PFAS-EPA 537.1M

LCS (BL12336-BS1) LCS — Prepared: 12/17/2021 Analyzed: 12/20/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	67.5	2.00	ng/L	70.8		95.3	50-130				
Perfluorohexanoic acid (PFHxA)	75.4	2.00	"	80.0		94.2	50-130				
Perfluoroheptanoic acid (PFHpA)	64.4	2.00	"	80.0		80.5	50-130				
Perfluorohexanesulfonic acid (PFHxS)	68.6	2.00	"	72.8		94.2	50-130				
Perfluorooctanoic acid (PFOA)	77.2	2.00	"	80.0		96.5	50-130				
Perfluorooctanesulfonic acid (PFOS)	79.8	2.00	"	74.0		108	50-130				
Perfluorononanoic acid (PFNA)	73.3	2.00	"	80.0		91.7	50-130				
Perfluorodecanoic acid (PFDA)	73.6	2.00	"	80.0		92.0	50-130				
Perfluoroundecanoic acid (PFUnA)	64.5	2.00	"	80.0		80.6	50-130				
Perfluorododecanoic acid (PFDoA)	79.8	2.00	"	80.0		99.8	50-130				
Perfluorotridecanoic acid (PFTrDA)	54.0	2.00	"	80.0		67.5	50-130				
Perfluorotetradecanoic acid (PFTA)	90.6	2.00	"	80.0		113	50-130				
N-MeFOSAA	87.1	2.00	"	80.0		109	50-130				
N-EtFOSAA	85.1	2.00	"	80.0		106	50-130				
Perfluoropentanoic acid (PFPeA)	76.1	2.00	"	80.0		95.1	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	89.1	2.00	"	80.0		111	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	74.5	2.00	"	76.4		97.5	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	76.0	2.00	"	77.2		98.5	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	76.4	5.00	"	76.0		101	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	85.5	2.00	"	76.8		111	50-175				
Perfluoro-n-butanoic acid (PFBA)	81.5	2.00	"	80.0		102	50-130				
Surrogate: M3PFBS	*85.1*		*"*	*74.3*		*115*	*25-150*				
Surrogate: M5PFHxA	*78.1*		*"*	*80.0*		*97.7*	*25-150*				
Surrogate: M4PFHpA	*95.6*		*"*	*80.0*		*119*	*25-150*				
Surrogate: M3PFHxS	*84.2*		*"*	*75.7*		*111*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.8*		*"*	*80.0*		*106*	*25-150*				
Surrogate: M6PFDA	*86.6*		*"*	*80.0*		*108*	*25-150*				
Surrogate: M7PFUdA	*69.8*		*"*	*80.0*		*87.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*86.0*		*"*	*80.0*		*107*	*25-150*				
Surrogate: M2PFTeDA	*52.0*		*"*	*80.0*		*65.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*74.8*		*"*	*80.0*		*93.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*89.0*		*"*	*76.6*		*116*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.1*		*"*	*80.0*		*96.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.2*		*"*	*80.0*		*40.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*59.9*		*"*	*80.0*		*74.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*59.8*		*"*	*80.0*		*74.7*	*25-150*				
Surrogate: M2-6:2 FTS	*75.9*		*"*	*75.9*		*99.9*	*25-200*				
Surrogate: M2-8:2 FTS	*62.5*		*"*	*76.6*		*81.6*	*25-200*				
Surrogate: M9PFNA	*80.7*		*"*	*80.0*		*101*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12336 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BL12336-MS1) Matrix Spike *Source sample: 21L0804-01 (CGMW36_121421) Prepared: 12/17/2021 Analyzed: 12/20/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	70.6	1.85	ng/L	65.6	5.66	99.1	25-150				
Perfluorohexanoic acid (PFHxA)	81.4	1.85	"	74.1	7.52	99.7	25-150				
Perfluoroheptanoic acid (PFHpA)	116	1.85	"	74.1	9.74	144	25-150				
Perfluorohexanesulfonic acid (PFHxS)	57.1	1.85	"	67.4	1.12	83.0	25-150				
Perfluorooctanoic acid (PFOA)	92.7	1.85	"	74.1	43.1	66.9	25-150				
Perfluorooctanesulfonic acid (PFOS)	81.3	1.85	"	68.5	6.56	109	25-150				
Perfluorononanoic acid (PFNA)	68.3	1.85	"	74.1	0.931	90.9	25-150				
Perfluorodecanoic acid (PFDA)	67.1	1.85	"	74.1	ND	90.5	25-150				
Perfluoroundecanoic acid (PFUnA)	76.1	1.85	"	74.1	ND	103	25-150				
Perfluorododecanoic acid (PFDoA)	71.9	1.85	"	74.1	ND	97.0	25-150				
Perfluorotridecanoic acid (PFTrDA)	56.0	1.85	"	74.1	ND	75.6	25-150				
Perfluorotetradecanoic acid (PFTA)	80.2	1.85	"	74.1	ND	108	25-150				
N-MeFOSAA	85.5	1.85	"	74.1	ND	115	25-150				
N-EtFOSAA	71.9	1.85	"	74.1	ND	97.0	25-150				
Perfluoropentanoic acid (PFPeA)	80.7	1.85	"	74.1	11.0	94.1	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	89.3	1.85	"	74.1	ND	121	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	71.3	1.85	"	70.7	0.886	99.5	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	74.0	1.85	"	71.5	ND	104	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	64.9	4.63	"	70.4	ND	92.2	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	58.4	1.85	"	71.1	ND	82.1	25-200				
Perfluoro-n-butanoic acid (PFBA)	82.6	1.85	"	74.1	13.9	92.8	25-150				
Surrogate: M3PFBS	*52.1*		*"*	*68.8*		*75.7*	*25-150*				
Surrogate: M5PFHxA	*51.1*		*"*	*74.1*		*69.0*	*25-150*				
Surrogate: M4PFHpA	*37.6*		*"*	*74.1*		*50.7*	*25-150*				
Surrogate: M3PFHxS	*63.6*		*"*	*70.1*		*90.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.9*		*"*	*74.1*		*113*	*25-150*				
Surrogate: M6PFDA	*80.8*		*"*	*74.1*		*109*	*25-150*				
Surrogate: M7PFUdA	*66.8*		*"*	*74.1*		*90.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*65.8*		*"*	*74.1*		*88.8*	*25-150*				
Surrogate: M2PFTeDA	*54.5*		*"*	*74.1*		*73.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*51.6*		*"*	*74.1*		*69.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*70.0*		*"*	*70.9*		*98.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*45.5*		*"*	*74.1*		*61.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.84*		*"*	*74.1*		*6.54*	*10-150*				
Surrogate: d3-N-MeFOSAA	*59.3*		*"*	*74.1*		*80.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*68.1*		*"*	*74.1*		*92.0*	*25-150*				
Surrogate: M2-6:2 FTS	*103*		*"*	*70.3*		*147*	*25-200*				
Surrogate: M2-8:2 FTS	*108*		*"*	*71.0*		*152*	*25-200*				
Surrogate: M9PFNA	*72.4*		*"*	*74.1*		*97.7*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12336 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike Dup (BL12336-M Matrix Spike Dup *Source sample: 21L0804-01 (CGMW36_121421) Prepared: 12/17/2021 Analyzed: 12/20/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	72.5	1.92	ng/L	68.1	5.66	98.2	25-150		2.69	35	
Perfluorohexanoic acid (PFHxA)	83.9	1.92	"	76.9	7.52	99.3	25-150		3.06	35	
Perfluoroheptanoic acid (PFHpA)	118	1.92	"	76.9	9.74	141	25-150		1.94	35	
Perfluorohexanesulfonic acid (PFHxS)	70.0	1.92	"	70.0	1.12	98.4	25-150		20.3	35	
Perfluorooctanoic acid (PFOA)	116	1.92	"	76.9	43.1	94.6	25-150		22.3	35	
Perfluorooctanesulfonic acid (PFOS)	86.8	1.92	"	71.2	6.56	113	25-150		6.59	35	
Perfluorononanoic acid (PFNA)	72.2	1.92	"	76.9	0.931	92.6	25-150		5.58	35	
Perfluorodecanoic acid (PFDA)	82.9	1.92	"	76.9	ND	108	25-150		21.2	35	
Perfluoroundecanoic acid (PFUnA)	79.8	1.92	"	76.9	ND	104	25-150		4.71	35	
Perfluorododecanoic acid (PFDoA)	83.5	1.92	"	76.9	ND	109	25-150		15.0	35	
Perfluorotridecanoic acid (PFTrDA)	73.3	1.92	"	76.9	ND	95.3	25-150		26.7	35	
Perfluorotetradecanoic acid (PFTA)	84.0	1.92	"	76.9	ND	109	25-150		4.64	35	
N-MeFOSAA	90.4	1.92	"	76.9	ND	118	25-150		5.64	35	
N-EtFOSAA	83.5	1.92	"	76.9	ND	108	25-150		14.9	35	
Perfluoropentanoic acid (PFPeA)	83.5	1.92	"	76.9	11.0	94.2	25-150		3.42	35	
Perfluoro-1-octanesulfonamide (FOSA)	93.3	1.92	"	76.9	ND	121	25-150		4.41	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.2	1.92	"	73.5	0.886	105	25-150		9.23	35	
Perfluoro-1-decanesulfonic acid (PFDS)	78.3	1.92	"	74.2	ND	105	25-150		5.62	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	71.3	4.81	"	73.1	ND	97.6	25-200		9.39	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	68.4	1.92	"	73.8	ND	92.7	25-200		15.8	35	
Perfluoro-n-butanoic acid (PFBA)	88.4	1.92	"	76.9	13.9	97.0	25-150		6.88	35	
Surrogate: M3PFBS	*52.5*		*"*	*71.5*		*73.5*	*25-150*				
Surrogate: M5PFHxA	*52.6*		*"*	*76.9*		*68.4*	*25-150*				
Surrogate: M4PFHpA	*40.1*		*"*	*76.9*		*52.1*	*25-150*				
Surrogate: M3PFHxS	*59.5*		*"*	*72.8*		*81.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*74.5*		*"*	*76.9*		*96.8*	*25-150*				
Surrogate: M6PFDA	*70.3*		*"*	*76.9*		*91.4*	*25-150*				
Surrogate: M7PFUdA	*60.6*		*"*	*76.9*		*78.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*55.3*		*"*	*76.9*		*71.9*	*25-150*				
Surrogate: M2PFTeDA	*61.8*		*"*	*76.9*		*80.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*52.3*		*"*	*76.9*		*68.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*69.5*		*"*	*73.6*		*94.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*45.3*		*"*	*76.9*		*58.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*1.46*		*"*	*76.9*		*1.89*	*10-150*				
Surrogate: d3-N-MeFOSAA	*47.9*		*"*	*76.9*		*62.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*48.4*		*"*	*76.9*		*62.9*	*25-150*				
Surrogate: M2-6:2 FTS	*108*		*"*	*73.0*		*149*	*25-200*				
Surrogate: M2-8:2 FTS	*108*		*"*	*73.7*		*147*	*25-200*				
Surrogate: M9PFNA	*76.0*		*"*	*76.9*		*98.8*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12130 - EPA SW846-3510C Low Level

Blank (BL12130-BLK1) Blank — Prepared: 12/15/2021 Analyzed: 12/17/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
4,4'-DDD	ND	0.00400	ug/L								
4,4'-DDE	ND	0.00400	"								
4,4'-DDT	ND	0.00400	"								
Aldrin	ND	0.00400	"								
alpha-BHC	ND	0.00400	"								
alpha-Chlordane	ND	0.00400	"								
beta-BHC	ND	0.00400	"								
delta-BHC	ND	0.00400	"								
Dieldrin	ND	0.00200	"								
Endosulfan I	ND	0.00400	"								
Endosulfan II	ND	0.00400	"								
Endosulfan sulfate	ND	0.00400	"								
Endrin	ND	0.00400	"								
Endrin aldehyde	ND	0.0100	"								
Endrin ketone	ND	0.0100	"								
gamma-BHC (Lindane)	ND	0.00400	"								
gamma-Chlordane	ND	0.0100	"								
Heptachlor	ND	0.00400	"								
Heptachlor epoxide	ND	0.00400	"								
Methoxychlor	ND	0.00400	"								
Toxaphene	ND	0.100	"								
Chlordane, total (alpha, gamma)	ND	0.0100	"								
Surrogate: Decachlorobiphenyl	*0.142*		*"*	*0.200*		*70.8*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.139*		*"*	*0.200*		*69.4*	*30-150*				

LCS (BL12130-BS1) LCS — Prepared: 12/15/2021 Analyzed: 12/17/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
4,4'-DDD	0.129	0.00400	ug/L	0.100		129	40-140				
4,4'-DDE	0.111	0.00400	"	0.100		111	40-140				
4,4'-DDT	0.114	0.00400	"	0.100		114	40-140				
Aldrin	0.103	0.00400	"	0.100		103	40-140				
alpha-BHC	0.110	0.00400	"	0.100		110	40-140				
alpha-Chlordane	0.109	0.00400	"	0.100		109	40-140				
beta-BHC	0.112	0.00400	"	0.100		112	40-140				
delta-BHC	0.107	0.00400	"	0.100		107	40-140				
Dieldrin	0.120	0.00200	"	0.100		120	40-140				
Endosulfan I	0.117	0.00400	"	0.100		117	40-140				
Endosulfan II	0.122	0.00400	"	0.100		122	40-140				
Endosulfan sulfate	0.122	0.00400	"	0.100		122	40-140				
Endrin	0.117	0.00400	"	0.100		117	40-140				
Endrin aldehyde	0.118	0.0100	"	0.100		118	40-140				
Endrin ketone	0.138	0.0100	"	0.100		138	40-140				
gamma-BHC (Lindane)	0.112	0.00400	"	0.100		112	40-140				
gamma-Chlordane	0.115	0.0100	"	0.100		115	40-140				
Heptachlor	0.119	0.00400	"	0.100		119	40-140				
Heptachlor epoxide	0.124	0.00400	"	0.100		124	40-140				
Methoxychlor	0.128	0.00400	"	0.100		128	40-140				
Surrogate: Decachlorobiphenyl	*0.190*		*"*	*0.200*		*94.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.199*		*"*	*0.200*		*99.4*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12130 - EPA SW846-3510C Low Level

LCS Dup (BL12130-BSD1) LCS Dup — Prepared: 12/15/2021 Analyzed: 12/17/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
4,4'-DDD	0.116	0.00400	ug/L	0.100		116	40-140		10.8	20	
4,4'-DDE	0.0984	0.00400	"	0.100		98.4	40-140		12.4	20	
4,4'-DDT	0.0959	0.00400	"	0.100		95.9	40-140		17.4	20	
Aldrin	0.101	0.00400	"	0.100		101	40-140		1.44	20	
alpha-BHC	0.0993	0.00400	"	0.100		99.3	40-140		10.5	20	
alpha-Chlordane	0.106	0.00400	"	0.100		106	40-140		2.51	20	
beta-BHC	0.102	0.00400	"	0.100		102	40-140		10.0	20	
delta-BHC	0.111	0.00400	"	0.100		111	40-140		3.54	20	
Dieldrin	0.110	0.00200	"	0.100		110	40-140		8.48	20	
Endosulfan I	0.114	0.00400	"	0.100		114	40-140		2.60	20	
Endosulfan II	0.109	0.00400	"	0.100		109	40-140		11.2	20	
Endosulfan sulfate	0.0999	0.00400	"	0.100		99.9	40-140		19.8	20	
Endrin	0.0976	0.00400	"	0.100		97.6	40-140		18.3	20	
Endrin aldehyde	0.0995	0.0100	"	0.100		99.5	40-140		17.2	20	
Endrin ketone	0.114	0.0100	"	0.100		114	40-140		18.8	20	
gamma-BHC (Lindane)	0.101	0.00400	"	0.100		101	40-140		9.97	20	
gamma-Chlordane	0.106	0.0100	"	0.100		106	40-140		8.44	20	
Heptachlor	0.107	0.00400	"	0.100		107	40-140		10.6	20	
Heptachlor epoxide	0.113	0.00400	"	0.100		113	40-140		8.94	20	
Methoxychlor	0.107	0.00400	"	0.100		107	40-140		18.5	20	
Surrogate: Decachlorobiphenyl	*0.156*		*"*	*0.200*		*77.8*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.181*		*"*	*0.200*		*90.5*	*30-150*				

Batch BL12566 - EPA 3550C

Blank (BL12566-BLK1) Blank — Prepared: 12/21/2021 Analyzed: 12/22/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
4,4'-DDD	ND	0.00165	mg/kg wet								
4,4'-DDE	ND	0.00165	"								
4,4'-DDT	ND	0.00165	"								
Aldrin	ND	0.00165	"								
alpha-BHC	ND	0.00165	"								
alpha-Chlordane	ND	0.00165	"								
beta-BHC	ND	0.00165	"								
delta-BHC	ND	0.00165	"								
Dieldrin	ND	0.00165	"								
Endosulfan I	ND	0.00165	"								
Endosulfan II	ND	0.00165	"								
Endosulfan sulfate	ND	0.00165	"								
Endrin	ND	0.00165	"								
Endrin aldehyde	ND	0.00165	"								
Endrin ketone	ND	0.00165	"								
gamma-BHC (Lindane)	ND	0.00165	"								
gamma-Chlordane	ND	0.00165	"								
Heptachlor	ND	0.00165	"								
Heptachlor epoxide	ND	0.00165	"								
Methoxychlor	ND	0.00165	"								
Toxaphene	ND	0.165	"								
Surrogate: Decachlorobiphenyl	*0.0411*		*"*	*0.0667*		*61.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0459*		*"*	*0.0667*		*68.9*	*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
Batch BL12566 - EPA 3550C											
LCS (BL12566-BS1) LCS							Prepared: 12/21/2021 Analyzed: 12/22/2021				
4,4'-DDD	0.0240	0.00165	mg/kg wet	0.0333		72.1	40-140				
4,4'-DDE	0.0137	0.00165	"	0.0333		41.2	40-140				
4,4'-DDT	0.0135	0.00165	"	0.0333		40.4	40-140				
Aldrin	0.0298	0.00165	"	0.0333		89.5	40-140				
alpha-BHC	0.0268	0.00165	"	0.0333		80.4	40-140				
alpha-Chlordane	0.0277	0.00165	"	0.0333		83.0	40-140				
beta-BHC	0.0204	0.00165	"	0.0333		61.3	40-140				
delta-BHC	0.0263	0.00165	"	0.0333		78.8	40-140				
Dieldrin	0.0280	0.00165	"	0.0333		83.9	40-140				
Endosulfan I	0.0418	0.00165	"	0.0333		125	40-140				
Endosulfan II	0.0273	0.00165	"	0.0333		81.9	40-140				
Endosulfan sulfate	0.0232	0.00165	"	0.0333		69.6	40-140				
Endrin	0.0134	0.00165	"	0.0333		40.1	40-140				
Endrin aldehyde	0.0217	0.00165	"	0.0333		65.2	40-140				
Endrin ketone	0.0240	0.00165	"	0.0333		71.9	40-140				
gamma-BHC (Lindane)	0.0237	0.00165	"	0.0333		71.2	40-140				
gamma-Chlordane	0.0278	0.00165	"	0.0333		83.6	40-140				
Heptachlor	0.0158	0.00165	"	0.0333		47.5	40-140				
Heptachlor epoxide	0.0284	0.00165	"	0.0333		85.2	40-140				
Methoxychlor	0.0274	0.00165	"	0.0333		82.3	40-140				
Surrogate: Decachlorobiphenyl	*0.0447*		*"*	*0.0667*		*67.0*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0488*		*"*	*0.0667*		*73.2*	*30-150*				

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 BL12566 - EPA 3550C											
Blank (BL12566-BLK2) Blank								Prepared: 12/21/2021 Analyzed: 12/22/2021			
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	*0.0453*		*"*	*0.0667*		*68.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0370*		*"*	*0.0667*		*55.5*	*30-120*				
LCS (BL12566-BS2) LCS								Prepared: 12/21/2021 Analyzed: 12/22/2021			
Aroclor 1016	0.271	0.0167	mg/kg wet	0.333		81.4	40-130				
Aroclor 1260	0.253	0.0167	"	0.333		75.8	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0467*		*"*	*0.0667*		*70.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0363*		*"*	*0.0667*		*54.5*	*30-120*				
Matrix Spike (BL12566-MS2) Matrix Spike *Source sample: 21L0772-06 (Matrix Spike)								Prepared: 12/21/2021 Analyzed: 12/22/2021			
Aroclor 1016	0.216	0.0172	mg/kg dry	0.345	ND	62.5	40-140				
Aroclor 1260	0.186	0.0172	"	0.345	ND	53.9	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0366*		*"*	*0.0690*		*53.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0255*		*"*	*0.0690*		*37.0*	*30-120*				
Matrix Spike Dup (BL12566-M Matrix Spike Dup *Source sample: 21L0772-06 (Matrix Spike Dup)								Prepared: 12/21/2021 Analyzed: 12/22/2021			
Aroclor 1016	0.213	0.0172	mg/kg dry	0.344	ND	61.8	40-140		1.49	50	
Aroclor 1260	0.179	0.0172	"	0.344	ND	52.1	40-140		3.73	50	
Surrogate: Tetrachloro-m-xylene	*0.0361*		*"*	*0.0688*		*52.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0244*		*"*	*0.0688*		*35.5*	*30-120*				

Chlorinated Herbicides 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 BL12301 - EPA 8151A											
Blank (BL12301-BLK1) Blank							Prepared: 12/17/2021 Analyzed: 12/18/2021				
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*120*		*"*	*125*		*95.8*	*30-150*				
LCS (BL12301-BS1) LCS							Prepared: 12/17/2021 Analyzed: 12/18/2021				
2,4,5-T	31.0	5.00	ug/L	40.0		77.5	10-140				
2,4,5-TP (Silvex)	29.0	5.00	"	40.0		72.5	10-139				
2,4-D	30.0	5.00	"	40.0		75.0	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*122*		*"*	*125*		*98.0*	*30-150*				
LCS Dup (BL12301-BSD1) LCS Dup							Prepared: 12/17/2021 Analyzed: 12/18/2021				
2,4,5-T	37.5	5.00	ug/L	40.0		93.8	10-140		19.0	30	
2,4,5-TP (Silvex)	35.5	5.00	"	40.0		88.8	10-139		20.2	30	
2,4-D	36.0	5.00	"	40.0		90.0	10-140		18.2	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*130*		*"*	*125*		*104*	*30-150*				
Batch BL12711 - EPA 3550C/8151A											
Blank (BL12711-BLK1) Blank							Prepared & Analyzed: 12/23/2021				
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.399*		*"*	*0.415*		*96.0*	*21-150*				
LCS (BL12711-BS1) LCS							Prepared & Analyzed: 12/23/2021				
2,4,5-T	0.110	0.0199	mg/kg wet	0.133		83.1	10-120				
2,4,5-TP (Silvex)	0.108	0.0199	"	0.133		81.2	10-120				
2,4-D	0.111	0.0199	"	0.133		83.7	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.359*		*"*	*0.415*		*86.4*	*21-150*				

Chlorinated Herbicides 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 BL12711 - EPA 3550C/8151A											
Matrix Spike (BL12711-MS1) Matrix Spike	*Source sample: 21L0807-09 (Matrix Spike)						Prepared & Analyzed: 12/23/2021				
2,4,5-T	0.0955	0.0208	mg/kg dry	0.139	ND	68.7	10-120				
2,4,5-TP (Silvex)	0.0920	0.0208	"	0.139	ND	66.2	10-120				
2,4-D	0.102	0.0208	"	0.139	ND	73.1	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.392*		*"*	*0.434*		*90.4*	*21-150*				
Matrix Spike Dup (BL12711-M Matrix Spike Dup	*Source sample: 21L0807-09 (Matrix Spike Dup)						Prepared & Analyzed: 12/23/2021				
2,4,5-T	0.0972	0.0208	mg/kg dry	0.139	ND	70.0	10-120		1.80	35	
2,4,5-TP (Silvex)	0.0938	0.0208	"	0.139	ND	67.5	10-120		1.87	35	
2,4-D	0.0981	0.0208	"	0.139	ND	70.6	10-118		3.48	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.378*		*"*	*0.434*		*87.2*	*21-150*				
Batch BL12712 - EPA 3550C/8151A											
Blank (BL12712-BLK1) Blank							Prepared & Analyzed: 12/23/2021				
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.339*		*"*	*0.415*		*81.6*	*21-150*				
LCS (BL12712-BS1) LCS							Prepared & Analyzed: 12/23/2021				
2,4,5-T	0.105	0.0199	mg/kg wet	0.133		79.4	10-120				
2,4,5-TP (Silvex)	0.105	0.0199	"	0.133		79.4	10-120				
2,4-D	0.110	0.0199	"	0.133		83.1	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.358*		*"*	*0.415*		*86.2*	*21-150*				
Matrix Spike (BL12712-MS1) Matrix Spike	*Source sample: 21L0755-04 (Matrix Spike)						Prepared & Analyzed: 12/23/2021				
2,4,5-T	0.0791	0.0223	mg/kg dry	0.149	ND	53.1	10-120				
2,4,5-TP (Silvex)	0.0726	0.0223	"	0.149	ND	48.8	10-120				
2,4-D	0.0819	0.0223	"	0.149	ND	55.0	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.287*		*"*	*0.465*		*61.6*	*21-150*				

Chlorinated Herbicides 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 BL12712 - EPA 3550C/8151A											
Matrix Spike Dup (BL12712-M Matrix Spike Dup	*Source sample: 21L0755-04 (Matrix Spike Dup)							Prepared & Analyzed: 12/23/2021			
2,4,5-T	0.0791	0.0223	mg/kg dry	0.149	ND	53.1	10-120		0.00	35	
2,4,5-TP (Silvex)	0.0726	0.0223	"	0.149	ND	48.8	10-120		0.00	35	
2,4-D	0.0791	0.0223	"	0.149	ND	53.1	10-118		3.47	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.296*		*"*	*0.465*		*63.6*	*21-150*				

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12268 - EPA 3050B

Blank (BL12268-BLK1) Blank — Prepared: 12/16/2021 Analyzed: 12/17/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	5.91	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Duplicate (BL12268-DUP1) Duplicate *Source sample: 21L0807-03 (Duplicate) — Prepared: 12/16/2021 Analyzed: 12/18/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Aluminum	9120	5.55	mg/kg dry		8860				2.88	35	
Antimony	2.98	2.78	"		7.46				85.7	35	Non-dir.
Arsenic	8.28	1.67	"		2.42				109	35	Non-dir.
Barium	65.0	2.78	"		57.6				12.0	35	
Beryllium	ND	0.056	"		0.091					35	
Cadmium	ND	0.333	"		0.838					35	
Calcium	1820	5.55	"		2830				43.2	35	Non-dir.
Chromium	18.1	0.555	"		26.0				35.6	35	Non-dir.
Cobalt	7.15	0.444	"		8.70				19.5	35	
Copper	25.4	2.22	"		23.5				7.71	35	
Iron	18000	27.8	"		62600				111	35	Non-dir.
Lead	54.8	0.555	"		35.7				42.3	35	Non-dir.
Magnesium	2120	5.55	"		1650				25.0	35	
Manganese	382	0.555	"		1010				90.6	35	Non-dir.
Nickel	19.2	1.11	"		21.5				11.5	35	
Potassium	912	5.55	"		778				15.9	35	
Selenium	ND	2.78	"		ND					35	
Silver	ND	0.555	"		ND					35	
Sodium	80.5	55.5	"		63.3				23.9	35	
Thallium	ND	2.78	"		3.30					35	
Vanadium	32.0	1.11	"		54.8				52.6	35	Non-dir.
Zinc	74.2	2.78	"		77.6				4.47	35	

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12268 - EPA 3050B

Matrix Spike (BL12268-MS1) Matrix Spike *Source sample: 21L0807-03 (Matrix Spike) Prepared: 12/16/2021 Analyzed: 12/18/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Aluminum	10400	5.55	mg/kg dry	222	8860	673	75-125	High Bias			
Antimony	11.9	2.78	"	27.8	7.46	16.0	75-125	Low Bias			
Arsenic	206	1.67	"	222	2.42	91.6	75-125				
Barium	316	2.78	"	222	57.6	116	75-125				
Beryllium	5.25	0.056	"	5.55	0.091	92.8	75-125				
Cadmium	5.51	0.333	"	5.55	0.838	84.1	75-125				
Calcium	2010	5.55	"	111	2830	NR	75-125	Low Bias			
Chromium	41.2	0.555	"	22.2	26.0	68.6	75-125	Low Bias			
Cobalt	65.5	0.444	"	55.5	8.70	102	75-125				
Copper	56.3	2.22	"	27.8	23.5	118	75-125				
Iron	14800	27.8	"	111	62600	NR	75-125	Low Bias			
Lead	105	0.555	"	55.5	35.7	125	75-125				
Magnesium	2100	5.55	"	111	1650	413	75-125	High Bias			
Manganese	442	0.555	"	55.5	1010	NR	75-125	Low Bias			
Nickel	75.1	1.11	"	55.5	21.5	96.4	75-125				
Potassium	1030	5.55	"	111	778	226	75-125	High Bias			
Selenium	169	2.78	"	222	ND	76.2	75-125				
Silver	5.50	0.555	"	5.55	ND	99.0	75-125				
Sodium	178	55.5	"	111	63.3	103	75-125				
Thallium	197	2.78	"	222	3.30	87.1	75-125				
Vanadium	89.9	1.11	"	55.5	54.8	63.1	75-125	Low Bias			
Zinc	121	2.78	"	55.5	77.6	78.2	75-125				

Post Spike (BL12268-PS1) Post Spike *Source sample: 21L0807-03 (Post Spike) Prepared: 12/16/2021 Analyzed: 12/18/2021

Aluminum	83.3		ug/mL	2.00	79.8	178	75-125	High Bias			
Antimony	0.320		"	0.250	0.067	101	75-125				
Arsenic	1.84		"	2.00	0.022	91.0	75-125				
Barium	2.69		"	2.00	0.519	108	75-125				
Beryllium	0.051		"	0.0500	0.0008	101	75-125				
Cadmium	0.051		"	0.0500	0.008	87.1	75-125				
Calcium	27.6		"	1.00	25.5	215	75-125	High Bias			
Chromium	0.442		"	0.200	0.234	104	75-125				
Cobalt	0.615		"	0.500	0.078	107	75-125				
Copper	0.496		"	0.250	0.212	114	75-125				
Iron	614		"	1.00	563	NR	75-125	High Bias			
Lead	0.799		"	0.500	0.321	95.5	75-125				
Magnesium	17.1		"	1.00	14.8	230	75-125	High Bias			
Manganese	9.69		"	0.500	9.12	114	75-125				
Nickel	0.728		"	0.500	0.194	107	75-125				
Potassium	8.61		"	1.00	7.00	161	75-125	High Bias			
Selenium	1.21		"	2.00	-0.397	60.5	75-125	Low Bias			
Silver	0.027		"	0.0500	-0.005	53.0	75-125	Low Bias			
Sodium	1.66		"	1.00	0.570	109	75-125				
Thallium	1.85		"	2.00	0.030	91.1	75-125				
Vanadium	1.01		"	0.500	0.493	103	75-125				
Zinc	1.24		"	0.500	0.699	108	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
Batch BL12268 - EPA 3050B											
Reference (BL12268-SRM1) Reference							Prepared: 12/16/2021 Analyzed: 12/17/2021				
Aluminum	9450	5.00	mg/kg wet	8130		116	49.9-150.1				
Antimony	81.9	2.50	"	134		61.1	19.3-250				
Arsenic	150	1.50	"	156		96.2	69.9-130.1				
Barium	264	2.50	"	239		111	74.9-124.7				
Beryllium	173	0.050	"	169		102	75.1-125.4				
Cadmium	129	0.300	"	137		94.1	75.2-124.8				
Calcium	5430	5.00	"	4760		114	72.7-127.5				
Chromium	161	0.500	"	154		105	70.1-129.9				
Cobalt	128	0.400	"	121		106	75-124.8				
Copper	60.8	2.00	"	54.9		111	74.9-125				
Iron	17800	25.0	"	14100		126	34.9-164.5				
Lead	124	0.500	"	130		95.6	71.8-128.5				
Magnesium	2670	5.00	"	2320		115	62.1-137.9				
Manganese	299	0.500	"	269		111	74-126.4				
Nickel	61.2	1.00	"	53.9		113	69.9-129.9				
Potassium	2200	5.00	"	2020		109	58.9-141.1				
Selenium	133	2.50	"	167		79.4	67.7-132.3				
Silver	34.1	0.500	"	33.6		101	68.5-131.3				
Sodium	149	50.0	"	133		112	35-165.4				
Thallium	100	2.50	"	112		89.5	67.9-131.3				
Vanadium	67.6	1.00	"	62.6		108	59.1-141.1				
Zinc	160	2.50	"	158		101	70.3-129.7				
Batch BL12319 - EPA 3015A											
Blank (BL12319-BLK1) Blank							Prepared & Analyzed: 12/17/2021				
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	0.216	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								

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
Batch BL12319 - EPA 3015A											
LCS (BL12319-BS1) LCS							Prepared & Analyzed: 12/17/2021				
Aluminum	1.94		ug/mL	2.00		97.1	80-120				
Barium	2.37		"	2.00		119	80-120				
Calcium	0.850		"	1.00		85.0	80-120				
Chromium	0.228		"	0.200		114	80-120				
Cobalt	0.594		"	0.500		119	80-120				
Copper	0.280		"	0.250		112	80-120				
Iron	1.37		"	1.00		137	80-120	High Bias			
Lead	0.546		"	0.500		109	80-120				
Magnesium	1.34		"	1.00		134	80-120	High Bias			
Manganese	0.580		"	0.500		116	80-120				
Nickel	0.562		"	0.500		112	80-120				
Potassium	1.28		"	1.00		128	80-120	High Bias			
Silver	0.0526		"	0.0500		105	80-120				
Sodium	1.33		"	1.00		133	80-120	High Bias			
Vanadium	0.565		"	0.500		113	80-120				
Zinc	0.575		"	0.500		115	80-120				
Duplicate (BL12319-DUP1) Duplicate	*Source sample: 21L0677-01 (Duplicate)						Prepared & Analyzed: 12/17/2021				
Aluminum	0.417	0.0556	mg/L		11.4				186	20	Non-dir.
Barium	0.0382	0.0278	"		0.173				127	20	Non-dir.
Calcium	19.7	0.0556	"		58.6				99.5	20	Non-dir.
Chromium	0.0320	0.00556	"		0.0160				66.8	20	Non-dir.
Cobalt	ND	0.00444	"		0.0133					20	
Copper	0.0580	0.0222	"		0.0305				62.0	20	Non-dir.
Iron	2.22	0.278	"		17.1				154	20	Non-dir.
Lead	ND	0.00556	"		0.0222					20	
Magnesium	6.69	0.0556	"		13.9				70.1	20	Non-dir.
Manganese	0.507	0.00556	"		2.36				129	20	Non-dir.
Nickel	ND	0.0111	"		ND					20	
Potassium	3.47	0.0556	"		3.73				7.30	20	
Silver	ND	0.00556	"		ND					20	
Sodium	45.3	0.556	"		45.7				0.785	20	
Vanadium	ND	0.0111	"		0.0472					20	
Zinc	0.158	0.0278	"		0.0551				96.6	20	Non-dir.

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
Batch BL12319 - EPA 3015A											
Matrix Spike (BL12319-MS1) Matrix Spike	*Source sample: 21L0677-01 (Matrix Spike)							Prepared & Analyzed: 12/17/2021			
Aluminum	2.52	0.0556	mg/L	2.22	11.4	NR	75-125	Low Bias			
Barium	2.33	0.0278	"	2.22	0.173	97.2	75-125				
Calcium	20.6	0.0556	"	1.11	58.6	NR	75-125	Low Bias			
Chromium	0.250	0.00556	"	0.222	0.0160	105	75-125				
Cobalt	0.576	0.00444	"	0.556	0.0133	101	75-125				
Copper	0.337	0.0222	"	0.278	0.0305	110	75-125				
Iron	3.61	0.278	"	1.11	17.1	NR	75-125	Low Bias			
Lead	0.520	0.00556	"	0.556	0.0222	89.6	75-125				
Magnesium	7.90	0.0556	"	1.11	13.9	NR	75-125	Low Bias			
Manganese	1.08	0.00556	"	0.556	2.36	NR	75-125	Low Bias			
Nickel	0.575	0.0111	"	0.556	ND	104	75-125				
Potassium	4.49	0.0556	"	1.11	3.73	68.1	75-125	Low Bias			
Silver	0.0512	0.00556	"	0.0556	ND	92.2	75-125				
Sodium	46.3	0.556	"	1.11	45.7	55.0	75-125	Low Bias			
Vanadium	0.557	0.0111	"	0.556	0.0472	91.8	75-125				
Zinc	0.705	0.0278	"	0.556	0.0551	117	75-125				
Post Spike (BL12319-PS1) Post Spike	*Source sample: 21L0677-01 (Post Spike)							Prepared & Analyzed: 12/17/2021			
Aluminum	2.24		ug/mL	2.00	10.3	NR	75-125	Low Bias			
Barium	2.13		"	2.00	0.155	98.7	75-125				
Calcium	18.7		"	1.00	52.7	NR	75-125	Low Bias			
Chromium	0.228		"	0.200	0.0144	107	75-125				
Cobalt	0.521		"	0.500	0.0120	102	75-125				
Copper	0.309		"	0.250	0.0275	112	75-125				
Iron	3.13		"	1.00	15.4	NR	75-125	Low Bias			
Lead	0.474		"	0.500	0.0200	90.8	75-125				
Magnesium	7.09		"	1.00	12.5	NR	75-125	Low Bias			
Manganese	0.982		"	0.500	2.12	NR	75-125	Low Bias			
Nickel	0.517		"	0.500	0.00861	102	75-125				
Potassium	4.09		"	1.00	3.36	73.7	75-125	Low Bias			
Silver	0.0297		"	0.0500	0.00124	56.9	75-125	Low Bias			
Sodium	41.4		"	1.00	41.1	29.6	75-125	Low Bias			
Vanadium	0.508		"	0.500	0.0425	93.1	75-125				
Zinc	0.649		"	0.500	0.0496	120	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
Batch BL12203 - EPA 3015A											
Blank (BL12203-BLK1) Blank								Prepared: 12/16/2021 Analyzed: 12/17/2021			
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	ND	0.00111	"								
Thallium	ND	0.00111	"								
LCS (BL12203-BS1) LCS								Prepared: 12/16/2021 Analyzed: 12/17/2021			
Antimony	27.9		ug/L	50.0		55.9	80-120	Low Bias			
Arsenic	45.3		"	50.0		90.6	80-120				
Beryllium	33.8		"	50.0		67.6	80-120	Low Bias			
Cadmium	29.8		"	50.0		59.6	80-120	Low Bias			
Selenium	51.9		"	50.0		104	80-120				
Thallium	57.2		"	50.0		114	80-120				
Duplicate (BL12203-DUP1) Duplicate *Source sample: 21L0882-05 (Duplicate)								Prepared: 12/16/2021 Analyzed: 12/20/2021			
Antimony	ND	0.00111	mg/L		ND					20	
Arsenic	0.00205	0.00111	"		0.00209				1.95	20	
Beryllium	ND	0.000333	"		ND					20	
Cadmium	ND	0.000556	"		ND					20	
Selenium	0.00205	0.00111	"		0.00145				34.4	20	Non-dir.
Thallium	ND	0.00111	"		ND					20	
Matrix Spike (BL12203-MS1) Matrix Spike *Source sample: 21L0882-05 (Matrix Spike)								Prepared: 12/16/2021 Analyzed: 12/20/2021			
Antimony	44.5		ug/L	50.0	0.485	88.0	75-125				
Arsenic	56.1		"	50.0	1.88	108	75-125				
Beryllium	30.7		"	50.0	0.109	61.2	75-125	Low Bias			
Cadmium	47.5		"	50.0	0.152	94.6	75-125				
Selenium	56.8		"	50.0	1.30	111	75-125				
Thallium	39.8		"	50.0	0.062	79.5	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 BL12096 - EPA SW846-7470A												
Blank (BL12096-BLK1)	Blank								Prepared & Analyzed: 12/14/2021			
Mercury		ND	0.0002	mg/L								
LCS (BL12096-BS1)	LCS								Prepared & Analyzed: 12/14/2021			
Mercury		0.0021622	0.0002	mg/L	0.00200		108	80-120				
LCS (BL12096-BS2)	LCS								Prepared & Analyzed: 12/14/2021			
Mercury		0.0021361	0.0002	mg/L	0.00200		107	80-120				
Batch BL12451 - EPA 7473 soil												
Blank (BL12451-BLK1)	Blank								Prepared & Analyzed: 12/20/2021			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BL12451-DUP1)	Duplicate	*Source sample: 21L0772-03 (Duplicate)							Prepared & Analyzed: 12/20/2021			
Mercury		0.0788	0.0662	mg/kg dry		0.127				47.1	35	Non-dir.
Matrix Spike (BL12451-MS1)	Matrix Spike	*Source sample: 21L0772-03 (Matrix Spike)							Prepared & Analyzed: 12/20/2021			
Mercury		0.607		mg/kg	0.500	0.0577	110	75-125				
Reference (BL12451-SRM1)	Reference								Prepared & Analyzed: 12/20/2021			
Mercury		26.951		mg/kg	27.2		99.1	59.9-140.1				

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 BL12081 - Analysis Preparation												
Blank (BL12081-BLK1)	Blank								Prepared & Analyzed: 12/14/2021			
Chromium, Hexavalent		ND	0.0100	mg/L								
LCS (BL12081-BS1)	LCS								Prepared & Analyzed: 12/14/2021			
Chromium, Hexavalent		0.510	0.0100	mg/L	0.500		102	80-120				
Duplicate (BL12081-DUP1)	Duplicate	*Source sample: 21L0804-08 (FB01_121421)							Prepared & Analyzed: 12/14/2021			
Chromium, Hexavalent		ND	0.0100	mg/L		ND					20	
Matrix Spike (BL12081-MS1)	Matrix Spike	*Source sample: 21L0804-08 (FB01_121421)							Prepared & Analyzed: 12/14/2021			
Chromium, Hexavalent		0.498	0.0100	mg/L	0.500	ND	99.6	75-125				
Batch BL12242 - Analysis Preparation												
Blank (BL12242-BLK1)	Blank								Prepared & Analyzed: 12/16/2021			
Cyanide, total		ND	0.0100	mg/L								
LCS (BL12242-BS1)	LCS								Prepared & Analyzed: 12/16/2021			
Cyanide, total		0.185	0.0100	mg/L	0.200		92.5	76.2-107				
Duplicate (BL12242-DUP1)	Duplicate	*Source sample: 21L0882-04 (Duplicate)							Prepared & Analyzed: 12/16/2021			
Cyanide, total		ND	0.0100	mg/L		ND					15	
Matrix Spike (BL12242-MS1)	Matrix Spike	*Source sample: 21L0882-04 (Matrix Spike)							Prepared & Analyzed: 12/16/2021			
Cyanide, total		ND	0.0100	mg/L	0.200	ND		79-105	Low Bias			
Batch BL12436 - EPA SW846-3060												
Blank (BL12436-BLK1)	Blank								Prepared & Analyzed: 12/20/2021			
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 BL12436 - EPA SW846-3060												
Duplicate (BL12436-DUP1)	Duplicate	*Source sample: 21L0798-05 (Duplicate)							Prepared & Analyzed: 12/20/2021			
Chromium, Hexavalent		ND	0.526	mg/kg dry		ND					35	
Matrix Spike (BL12436-MS1)	Matrix Spike	*Source sample: 21L0798-05 (Matrix Spike)							Prepared & Analyzed: 12/20/2021			
Chromium, Hexavalent		18.8	0.526	mg/kg dry	21.0	ND	89.4	75-125				
Reference (BL12436-SRM1)	Reference								Prepared & Analyzed: 12/20/2021			
Chromium, Hexavalent		93.9		mg/L	109		86.1	30-169.7				
Batch BL12478 - Analysis Preparation Soil												
Blank (BL12478-BLK1)	Blank								Prepared & Analyzed: 12/20/2021			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BL12478-DUP1)	Duplicate	*Source sample: 21L0811-29 (Duplicate)							Prepared & Analyzed: 12/20/2021			
Cyanide, total		ND	0.547	mg/kg dry		ND					15	
Matrix Spike (BL12478-MS1)	Matrix Spike	*Source sample: 21L0811-29 (Matrix Spike)							Prepared & Analyzed: 12/20/2021			
Cyanide, total		8.83	0.547	mg/kg dry	10.9	ND	80.7	79.6-107				
Reference (BL12478-SRM1)	Reference								Prepared & Analyzed: 12/20/2021			
Cyanide, total		72.9		ug/mL	91.9		79.4	42.22-159.96				

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 BL12527 - % Solids Prep											
Duplicate (BL12527-DUP1) Duplicate	*Source sample: 21L0807-10 (Duplicate)								Prepared: 12/20/2021 Analyzed: 12/21/2021		
% Solids	95.8	0.100	%		96.6				0.901	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21L0804-08	FB01_121421	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L0804-09	EP10_0-2	40mL Vial with Stir Bar-Cool 4° C
21L0804-10	EP12_0-2	40mL Vial with Stir Bar-Cool 4° C
21L0804-11	EP13_0-2	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

PFAS-MSL	The recovery for this matrix spike compound was below control limits possibly due to matrix effects or non-homogenieity of the sample verses the native sample
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).
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-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogenieity of the sample verses the native sample
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
PF-LCS-H	The LCS recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
S-08	The recovery of this surrogate was outside of QC limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.

Definitions and Other Explanations

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

NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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

Field Chain-of-Custody Record

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

YORK Project No. 21L0804

Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170420201	RUSH - Next Day
Address: 360 W. 31st Street, New York, NY	Address:	Address:	YOUR Project Name: 459 Smith Street	RUSH - Two Day
Phone.: 212-474-5400	Phone.:	Phone.:		RUSH - Three Day
Contact: JYanowitz@langan.com, Joseph Yanowitz	Contact:	Contact:		RUSH - Four Day
E-mail:	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) ✓

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

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

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York ✓	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS	
WW - wastewater	Pennsylvania	NY ASP B Package		NJDEP SRP HazSite	
O - Oil ⋮ Other	Other		NJDKQP	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
CGMW36-121421	GW	12/14/21 9:55	PFAS, 1,4-Dioxane	
CGMW37-121421		11:55		
GWDUP01-121421		—		
GWMS01-121421		10:00		
GWMSD01-121421		10:02		
GWFB01-121421	water	10:05	PFAS	
CGMW38-121421	GW	15:10	PFAS, 1,4 Dioxane	
CGMW39-121421		15:45	PFAS, 1,4-Dioxane	
SOFB01-121421	water	15:44	PFAS	
FB01-121421	water	15:40	VOCs, SVOCs, PCBs, TAL Metals, (Hex/Tri Chrome), Cyanide, Pest/Herb, 1,4 Dioxane	

Comments: Please Include PMcMahon@langan.com

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

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Andrew Nesci/Langan	12/14/21 16:15	[signature]	12/14/21 4:15	[signature]	12/14/21 19:00
Samples Received by / Company	**Date/Time**	**Samples Relinquished by / Company**	**Date/Time**	**Samples Received by / Company**	**Date/Time**
Francisco Yorks	12/14/21 1900	Francisco Yorks	12/14/21 2008		
Samples Relinquished by / Company	**Date/Time**	**Samples Received by / Company**	**Date/Time**	**Samples Received in LAB by**	**Date/Time**
				[signature]	12/14/21 2008

Temp. Received at Lab: 1.8 Degrees C

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

YORK ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

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

YORK Project No. 21L0804

Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170420201	RUSH - Next Day
Address: 360 W. 31st Street, New York, NY	Address:	Address:	YOUR Project Name: 495 Smith Street	RUSH - Two Day
Phone.: 212-479-5400	Phone.:	Phone.:		RUSH - Three Day
Contact: Joseph Yanowitz	Contact:	Contact:		RUSH - Four Day
E-mail: JYanowitz@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) ✓

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

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

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS	
WW - wastewater	Pennsylvania	NY ASP B Package		NJDEP SRP HazSite	
O - Oil ⋮ Other	Other ✓		NJDKQP	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP10_0-2	Soil	12/14/21 14:55	Part 375 VOCs, SVOCs, PCBs, TAL Metals, Hex/Tri chrome, Cyanide, Pest/Herb, PFAS, 1,4-Dioxane	
EP12-0-2	↓	14:28	↓	
EP13_0-2	↓	13:26	↓	
~~EP10_6-8~~		~~15:00~~		
~~EP12_9-11~~		15:00 ~~14:28~~		
~~EP13_6-8~~		~~14:28~~ 14:28		
~~EP~~		~~13:33~~ 13:33		
EP10_6-8		12/14/21 15:00	PFAS, 1,4-Dioxane	
EP12_9-11		14:28	↓	
EP13_6-8		13:33		

Comments: Please Include PMcManon@langan.com

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

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Andrew Nesci/Langan	12/14/21 16:15	[signature]	12/14/21 4:15	[signature]	12/14 1900
Samples Received by / Company	**Date/Time**	**Samples Relinquished by / Company**	**Date/Time**	**Samples Received by / Company**	**Date/Time**
Francisco/YORK	12/14/21 1900	Francisco/YORK	12/14/21 2008		
Samples Relinquished by / Company	**Date/Time**	**Samples Received by / Company**	**Date/Time**	**Samples Received in LAB by**	**Date/Time**
				[signature]	12/14/21 2008

Temp. Received at Lab 1.8 Degrees C

Technical Report

prepared for:

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

Report Date: 12/30/2021
Client Project ID: 170420201
York Project (SDG) No.: 21L0910

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

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

Report Date: 12/30/2021
Client Project ID: 170420201
York Project (SDG) No.: 21L0910

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

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 December 15, 2021 and listed below. The project was identified as your project: **170420201**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L0910-01	EP02_5-7	Soil	12/15/2021	12/15/2021
21L0910-02	EP05_6-8	Soil	12/15/2021	12/15/2021
21L0910-03	EP09_2-3	Soil	12/15/2021	12/15/2021
21L0910-04	EP14_9-11	Soil	12/15/2021	12/15/2021
21L0910-05	EP05_2-3	Soil	12/15/2021	12/15/2021
21L0910-06	SOFB02_121521	Water	12/15/2021	12/15/2021
21L0910-07	TB01_121521	Water	12/15/2021	12/15/2021
21L0910-08	FB02_121521	Water	12/15/2021	12/15/2021
21L0910-09	EP05_0-2	Soil	12/15/2021	12/15/2021
21L0910-10	EP14_0-2	Soil	12/15/2021	12/15/2021
21L0910-11	EP02_0-2	Soil	12/15/2021	12/15/2021
21L0910-12	EP09_0-2	Soil	12/15/2021	12/15/2021
21L0910-13	SODUP01_121521	Soil	12/15/2021	12/15/2021
21L0910-14	SODUP02_121521	Soil	12/15/2021	12/15/2021

General Notes for York Project (SDG) No.: 21L0910

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

Approved By **Date:** 12/30/2021

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **EP02_5-7** **York Sample ID:** **21L0910-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:13 pm	12/15/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/27/2021 08:00	12/27/2021 17:46	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*48.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**0.303**		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**0.327**		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**1.90**		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL

Sample Information

Client Sample ID: **EP02_5-7** **York Sample ID:** **21L0910-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:13 pm	12/15/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**4.76**		ug/kg dry	0.303	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:32	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*91.9 %*		*25-150*
Surrogate: M5PFHxA	*76.7 %*		*25-150*
Surrogate: M4PFHpA	*52.8 %*		*25-150*
Surrogate: M3PFHxS	*76.4 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*97.8 %*		*25-150*
Surrogate: M6PFDA	*113 %*		*25-150*
Surrogate: M7PFUdA	*93.8 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*73.1 %*		*25-150*
Surrogate: M2PFTeDA	*64.0 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*109 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*103 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*95.9 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*40.4 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*73.3 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*92.7 %*		*25-150*
Surrogate: M2-6:2 FTS	*176 %*		*25-200*
Surrogate: M2-8:2 FTS	*246 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*86.8 %*		*25-150*

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**81.4**		%	0.100	1	SM 2540G Certifications: CTDOH	12/22/2021 11:07	12/22/2021 17:12	TJA

Sample Information

Client Sample ID: **EP05_6-8** **York Sample ID:** **21L0910-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:45 am	12/15/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/27/2021 08:00	12/27/2021 18:03	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*42.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**0.654**		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**0.336**		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**0.267**		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL

Sample Information

Client Sample ID: **EP05_6-8** **York Sample ID:** **21L0910-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:45 am	12/15/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**2.69**		ug/kg dry	0.252	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:45	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*69.6 %*	*25-150*
Surrogate: M5PFHxA	*71.0 %*	*25-150*
Surrogate: M4PFHpA	*58.4 %*	*25-150*
Surrogate: M3PFHxS	*74.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*93.9 %*	*25-150*
Surrogate: M6PFDA	*71.6 %*	*25-150*
Surrogate: M7PFUdA	*66.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*53.1 %*	*25-150*
Surrogate: M2PFTeDA	*40.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*65.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*72.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*74.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*38.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*92.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*80.6 %*	*25-150*
Surrogate: M2-6:2 FTS	*141 %*	*25-200*
Surrogate: M2-8:2 FTS	*126 %*	*25-200*
Surrogate: M9PFNA	*74.1 %*	*25-150*

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**	**89.8**		%	0.100	1	SM 2540G Certifications: CTDOH	12/22/2021 11:07	12/22/2021 17:12	TJA

Sample Information

Client Sample ID: **EP09_2-3** **York Sample ID:** **21L0910-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:45 pm	12/15/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	18.5	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/27/2021 08:00	12/27/2021 18:20	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL

Sample Information

Client Sample ID: **EP09_2-3** **York Sample ID:** **21L0910-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:45 pm	12/15/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 22:57	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*80.4 %*	*25-150*
Surrogate: M5PFHxA	*77.7 %*	*25-150*
Surrogate: M4PFHpA	*77.6 %*	*25-150*
Surrogate: M3PFHxS	*68.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*92.6 %*	*25-150*
Surrogate: M6PFDA	*94.9 %*	*25-150*
Surrogate: M7PFUdA	*75.9 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*66.7 %*	*25-150*
Surrogate: M2PFTeDA	*34.3 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*75.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*91.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*84.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*54.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*106 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*113 %*	*25-150*
Surrogate: M2-6:2 FTS	*89.3 %*	*25-200*
Surrogate: M2-8:2 FTS	*126 %*	*25-200*
Surrogate: M9PFNA	*87.9 %*	*25-150*

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 Certifications: CTDOH	12/22/2021 11:07	12/22/2021 17:12	TJA

Sample Information

Client Sample ID: **EP14_9-11** **York Sample ID:** **21L0910-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 9:00 am	12/15/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/27/2021 08:00	12/27/2021 18:37	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**0.481**		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL

Sample Information

Client Sample ID: **EP14_9-11** **York Sample ID:** **21L0910-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 9:00 am	12/15/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**6.72**		ug/kg dry	0.382	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:09	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*83.8 %*	*25-150*
Surrogate: M5PFHxA	*72.2 %*	*25-150*
Surrogate: M4PFHpA	*67.0 %*	*25-150*
Surrogate: M3PFHxS	*90.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*82.9 %*	*25-150*
Surrogate: M6PFDA	*82.1 %*	*25-150*
Surrogate: M7PFUdA	*75.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*65.2 %*	*25-150*
Surrogate: M2PFTeDA	*67.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*71.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*71.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*71.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*44.7 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*72.3 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*94.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*105 %*	*25-200*
Surrogate: M2-8:2 FTS	*114 %*	*25-200*
Surrogate: M9PFNA	*69.4 %*	*25-150*

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**	**64.1**		%	0.100	1	SM 2540G Certifications: CTDOH	12/22/2021 11:07	12/22/2021 17:12	TJA

Sample Information

Client Sample ID: **EP05_2-3** **York Sample ID:** **21L0910-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:45 am	12/15/2021

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	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	**1,2,4-Trimethylbenzene**	**0.092**		mg/kg dry	0.0038	0.0076	1	EPA 8260C	12/22/2021 06:42	12/22/2021 15:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	**1,3,5-Trimethylbenzene**	**30**		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	7.6	15	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP05_2-3** **York Sample ID:** **21L0910-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:45 am	12/15/2021

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	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.76	1.5	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.76	1.5	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**8.5**		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP05_2-3** **York Sample ID:** **21L0910-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:45 am	12/15/2021

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**	**0.078**		mg/kg dry	0.0038	0.0076	1	EPA 8260C	12/22/2021 06:42	12/22/2021 15:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**20**		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.76	1.5	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	**n-Butylbenzene**	**4.9**		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**6.7**		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**0.052**		mg/kg dry	0.0038	0.0076	1	EPA 8260C	12/22/2021 06:42	12/22/2021 15:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**0.074**		mg/kg dry	0.0076	0.015	1	EPA 8260C	12/22/2021 06:42	12/22/2021 15:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	**p-Isopropyltoluene**	**11**		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**0.90**		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	**Styrene**	**2.0**		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**12**		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP05_2-3** **York Sample ID:** **21L0910-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:45 am	12/15/2021

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	0.38	0.76	100	EPA 8260C	12/21/2021 06:18	12/22/2021 01:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**0.13**		mg/kg dry	0.011	0.023	1	EPA 8260C	12/22/2021 06:42	12/22/2021 15:04	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*106 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*109 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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**	**27.5**		mg/kg dry	2.23	4.46	10	EPA 8270D	12/23/2021 07:29	12/23/2021 15:22	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	4.46	8.90	10	EPA 8270D	12/23/2021 07:29	12/23/2021 15:22	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	2.23	4.46	10	EPA 8270D	12/23/2021 07:29	12/23/2021 15:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	2.23	4.46	10	EPA 8270D	12/23/2021 07:29	12/23/2021 15:22	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	2.23	4.46	10	EPA 8270D	12/23/2021 07:29	12/23/2021 15:22	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	2.23	4.46	10	EPA 8270D	12/23/2021 07:29	12/23/2021 15:22	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	2.23	4.46	10	EPA 8270D	12/23/2021 07:29	12/23/2021 15:22	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	4.46	8.90	10	EPA 8270D	12/23/2021 07:29	12/23/2021 15:22	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	2.23	4.46	10	EPA 8270D	12/23/2021 07:29	12/23/2021 15:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	2.23	4.46	10	EPA 8270D	12/23/2021 07:29	12/23/2021 15:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	2.23	4.46	10	EPA 8270D	12/23/2021 07:29	12/23/2021 15:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	2.23	4.46	10	EPA 8270D	12/23/2021 07:29	12/23/2021 15:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	4.46	8.90	10	EPA 8270D	12/23/2021 07:29	12/23/2021 15:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	2.23	4.46	10	EPA 8270D	12/23/2021 07:29	12/23/2021 15:22	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP05_2-3** **York Sample ID:** **21L0910-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:45 am	12/15/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
91-57-6	**2-Methylnaphthalene**	**285**		mg/kg dry	11.2	22.3	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/27/2021 11:45	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	4.46	8.90	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	4.46	8.90	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	4.46	8.90	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	4.46	8.90	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	4.46	8.90	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
83-32-9	**Acenaphthene**	**111**		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
208-96-8	**Acenaphthylene**	**43.4**		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
98-86-2	Acetophenone	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
62-53-3	Aniline	ND		mg/kg dry	8.92	17.8	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
120-12-7	**Anthracene**	**74.0**		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH

Sample Information

Client Sample ID: **EP05_2-3** **York Sample ID:** **21L0910-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:45 am	12/15/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
92-87-5	Benzidine	ND		mg/kg dry	8.92	17.8	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
56-55-3	**Benzo(a)anthracene**	**59.2**		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
50-32-8	**Benzo(a)pyrene**	**51.9**		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
205-99-2	**Benzo(b)fluoranthene**	**23.3**		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
191-24-2	**Benzo(g,h,i)perylene**	**24.6**		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
207-08-9	**Benzo(k)fluoranthene**	**28.7**		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
65-85-0	Benzoic acid	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
105-60-2	Caprolactam	ND		mg/kg dry	4.46	8.90	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
86-74-8	**Carbazole**	**3.42**	J	mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
218-01-9	**Chrysene**	**69.7**		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
53-70-3	**Dibenzo(a,h)anthracene**	**8.51**		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
132-64-9	**Dibenzofuran**	**12.6**		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH

Sample Information

Client Sample ID: **EP05_2-3** **York Sample ID:** **21L0910-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:45 am	12/15/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
206-44-0	**Fluoranthene**	**93.3**		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
86-73-7	**Fluorene**	**131**		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**16.5**		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
78-59-1	Isophorone	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
91-20-3	**Naphthalene**	**345**		mg/kg dry	11.2	22.3	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/27/2021 11:45	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
85-01-8	**Phenanthrene**	**241**		mg/kg dry	11.2	22.3	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/27/2021 11:45	KH
108-95-2	Phenol	ND		mg/kg dry	2.23	4.46	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:22	KH
129-00-0	**Pyrene**	**138**		mg/kg dry	11.2	22.3	50	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/27/2021 11:45	KH

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*18.0 %*	S-01	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*22.0 %*	S-01	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*%*	S-01	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*36.0 %*		*21-113*

Sample Information

Client Sample ID: **EP05_2-3** **York Sample ID:** **21L0910-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:45 am	12/15/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*22.0 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*%*	S-01		*24-116*						

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**93.0**		%	0.100	1	SM 2540G Certifications: CTDOH	12/22/2021 11:07	12/22/2021 17:12	TJA

Sample Information

Client Sample ID: **SOFB02_121521**

York Sample ID: **21L0910-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 10:12 am	12/15/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL

Sample Information

Client Sample ID: **SOFB02_121521** **York Sample ID:** **21L0910-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 10:12 am	12/15/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 19:41	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*113 %*		*25-150*
Surrogate: M5PFHxA	*94.5 %*		*25-150*
Surrogate: M4PFHpA	*105 %*		*25-150*
Surrogate: M3PFHxS	*115 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*110 %*		*25-150*
Surrogate: M6PFDA	*104 %*		*25-150*
Surrogate: M7PFUdA	*108 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*91.6 %*		*25-150*
Surrogate: M2PFTeDA	*68.9 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*90.4 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*108 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*97.0 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*5.67 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*122 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*121 %*		*25-150*
Surrogate: M2-6:2 FTS	*112 %*		*25-200*
Surrogate: M2-8:2 FTS	*97.2 %*		*25-200*
Surrogate: M9PFNA	*100 %*		*25-150*

Sample Information

Client Sample ID: TB01_121521

York Sample ID: 21L0910-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:00 pm	12/15/2021

Volatiles, 8260 Low 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	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB01_121521

York Sample ID: 21L0910-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:00 pm	12/15/2021

Volatiles, 8260 Low 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
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: TB01_121521

York Sample ID: 21L0910-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:00 pm	12/15/2021

Volatiles, 8260 Low 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
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
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	12/16/2021 06:23	12/16/2021 19:25	JTG
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	12/16/2021 06:23	12/16/2021 19:25	JTG
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications:	12/16/2021 06:23	12/16/2021 19:25	JTG
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/16/2021 06:23	12/16/2021 19:25	JTG
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	12/16/2021 06:23	12/16/2021 19:25	JTG
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	12/16/2021 06:23	12/16/2021 19:25	JTG

Sample Information

Client Sample ID: **TB01_121521** **York Sample ID:** **21L0910-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:00 pm	12/15/2021

Volatiles, 8260 Low 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
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/16/2021 06:23	12/16/2021 19:25	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*85.8 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*107 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*110 %*	*79-122*

Sample Information

Client Sample ID: **FB02_121521** **York Sample ID:** **21L0910-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:25 pm	12/15/2021

Volatiles, 8260 Low 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	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
142-28-9	1,3-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **FB02_121521** **York Sample ID:** **21L0910-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:25 pm	12/15/2021

Volatiles, 8260 Low 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	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **FB02_121521** **York Sample ID:** **21L0910-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:25 pm	12/15/2021

Volatiles, 8260 Low 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
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	**Methylene chloride**	**1.84**		ug/L	1.00	2.00	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
105-05-5	* p-Diethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:			
622-96-8	* p-Ethyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: **FB02_121521** **York Sample ID:** **21L0910-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:25 pm	12/15/2021

Volatiles, 8260 Low 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	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	12/17/2021 06:02	12/17/2021 18:21	JTG
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*85.1 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*108 %*	*79-122*

Semivolatiles, 8270 Low 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	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **FB02_121521** **York Sample ID:** **21L0910-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:25 pm	12/15/2021

Semivolatiles, 8270 Low 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
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
91-57-6	2-Methylnaphthalene	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
95-48-7	2-Methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
99-09-2	3-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	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	12/21/2021 07:42	12/21/2021 22:57	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
100-02-7	4-Nitrophenol	ND		ug/L	5.26	5.26	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
98-86-2	Acetophenone	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
98-55-5	* Alpha Terpineol	ND		ug/L	5.26	10.5	1	EPA 8270D Certifications: PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
62-53-3	Aniline	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH
100-52-7	Benzaldehyde	ND		ug/L	2.63	5.26	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/21/2021 22:57	KH

Sample Information

Client Sample ID: **FB02_121521** **York Sample ID:** **21L0910-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:25 pm	12/15/2021

Semivolatiles, 8270 Low 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
92-87-5	Benzidine	ND		ug/L	5.26	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	1.05	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	5.26	10.5	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		ug/L	2.63	5.26	1	EPA 8270D	12/21/2021 07:42	12/21/2021 22:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*41.5 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*26.3 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*61.9 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*63.2 %*	*39.9-105*

Sample Information

Client Sample ID: **FB02_121521** **York Sample ID:** **21L0910-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:25 pm	12/15/2021

Semivolatiles, 8270 Low 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
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*91.5 %*			*39.3-151*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*72.6 %*			*30.7-106*						

Semivolatiles, 8270 Low 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	12/21/2021 07:42	12/22/2021 19:25	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH
120-12-7	Anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH
1912-24-9	Atrazine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	12/21/2021 07:42	12/22/2021 19:25	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	12/21/2021 07:42	12/22/2021 19:25	KH
218-01-9	Chrysene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH
206-44-0	Fluoranthene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH
86-73-7	Fluorene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0211	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	12/21/2021 07:42	12/22/2021 19:25	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	12/21/2021 07:42	12/22/2021 19:25	KH
67-72-1	Hexachloroethane	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	12/21/2021 07:42	12/22/2021 19:25	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH

Sample Information

Client Sample ID: **FB02_121521** **York Sample ID:** **21L0910-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:25 pm	12/15/2021

Semivolatiles, 8270 Low 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
91-20-3	Naphthalene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH
98-95-3	Nitrobenzene	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	12/21/2021 07:42	12/22/2021 19:25	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	12/21/2021 07:42	12/22/2021 19:25	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.263	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP	12/21/2021 07:42	12/22/2021 19:25	KH
85-01-8	Phenanthrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH
129-00-0	Pyrene	ND		ug/L	0.0526	1	EPA 8270D SIM Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/21/2021 07:42	12/22/2021 19:25	KH

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

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

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	12/21/2021 07:55	12/21/2021 14:45	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*84.0 %*	*36.6-118*

Pesticides, 8081 List

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
72-54-8	4,4'-DDD	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/18/2021 05:59	12/20/2021 15:54	CM
72-55-9	4,4'-DDE	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/18/2021 05:59	12/20/2021 15:54	CM
50-29-3	4,4'-DDT	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/18/2021 05:59	12/20/2021 15:54	CM
309-00-2	Aldrin	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/18/2021 05:59	12/20/2021 15:54	CM
319-84-6	alpha-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/18/2021 05:59	12/20/2021 15:54	CM
5103-71-9	alpha-Chlordane	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/18/2021 05:59	12/20/2021 15:54	CM
319-85-7	beta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/18/2021 05:59	12/20/2021 15:54	CM
319-86-8	delta-BHC	ND		ug/L	0.00400	1	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/18/2021 05:59	12/20/2021 15:54	CM

Sample Information

Client Sample ID: **FB02_121521** **York Sample ID:** **21L0910-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:25 pm	12/15/2021

Pesticides, 8081 List

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
60-57-1	Dieldrin	ND		ug/L	0.00200	1	EPA 8081B	12/18/2021 05:59	12/20/2021 15:54	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
959-98-8	Endosulfan I	ND		ug/L	0.00400	1	EPA 8081B	12/18/2021 05:59	12/20/2021 15:54	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
33213-65-9	Endosulfan II	ND		ug/L	0.00400	1	EPA 8081B	12/18/2021 05:59	12/20/2021 15:54	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1031-07-8	Endosulfan sulfate	ND		ug/L	0.00400	1	EPA 8081B	12/18/2021 05:59	12/20/2021 15:54	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-20-8	Endrin	ND		ug/L	0.00400	1	EPA 8081B	12/18/2021 05:59	12/20/2021 15:54	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7421-93-4	Endrin aldehyde	ND		ug/L	0.0100	1	EPA 8081B	12/18/2021 05:59	12/20/2021 15:54	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
53494-70-5	Endrin ketone	ND		ug/L	0.0100	1	EPA 8081B	12/18/2021 05:59	12/20/2021 15:54	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
58-89-9	gamma-BHC (Lindane)	ND		ug/L	0.00400	1	EPA 8081B	12/18/2021 05:59	12/20/2021 15:54	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
5566-34-7	gamma-Chlordane	ND		ug/L	0.0100	1	EPA 8081B	12/18/2021 05:59	12/20/2021 15:54	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
76-44-8	Heptachlor	ND		ug/L	0.00400	1	EPA 8081B	12/18/2021 05:59	12/20/2021 15:54	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
1024-57-3	Heptachlor epoxide	ND		ug/L	0.00400	1	EPA 8081B	12/18/2021 05:59	12/20/2021 15:54	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
72-43-5	Methoxychlor	ND		ug/L	0.00400	1	EPA 8081B	12/18/2021 05:59	12/20/2021 15:54	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
8001-35-2	Toxaphene	ND		ug/L	0.100	1	EPA 8081B	12/18/2021 05:59	12/20/2021 15:54	CM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
57-74-9	* Chlordane, total (alpha, gamma)	ND		ug/L	0.0100	1	EPA 8081B	12/18/2021 05:59	12/20/2021 15:54	CM
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*67.9 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*86.0 %*	*30-150*

Polychlorinated Biphenyls, 8082 List

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	12/18/2021 05:59	12/19/2021 06:15	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A	12/18/2021 05:59	12/19/2021 06:15	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A	12/18/2021 05:59	12/19/2021 06:15	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: **FB02_121521** **York Sample ID:** **21L0910-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:25 pm	12/15/2021

Polychlorinated Biphenyls, 8082 List

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
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A	12/18/2021 05:59	12/19/2021 06:15	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A	12/18/2021 05:59	12/19/2021 06:15	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A	12/18/2021 05:59	12/19/2021 06:15	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A	12/18/2021 05:59	12/19/2021 06:15	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A	12/18/2021 05:59	12/19/2021 06:15	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*88.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*61.0 %*	*30-120*

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		ug/L	5.00	1	EPA 8151A	12/17/2021 07:44	12/18/2021 20:17	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		ug/L	5.00	1	EPA 8151A	12/17/2021 07:44	12/18/2021 20:17	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		ug/L	5.00	1	EPA 8151A	12/17/2021 07:44	12/18/2021 20:17	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*96.2 %*	*30-150*

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	ND		mg/L	0.0556	1	EPA 6010D	12/22/2021 10:18	12/22/2021 16:44	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	Barium	ND		mg/L	0.0278	1	EPA 6010D	12/22/2021 10:18	12/22/2021 16:44	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	Calcium	ND		mg/L	0.0556	1	EPA 6010D	12/22/2021 10:18	12/22/2021 16:44	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	Chromium	ND		mg/L	0.00556	1	EPA 6010D	12/22/2021 10:18	12/22/2021 16:44	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	12/22/2021 10:18	12/22/2021 16:44	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **FB02_121521** **York Sample ID:** **21L0910-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:25 pm	12/15/2021

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
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/22/2021 10:18	12/22/2021 16:44	RTH
7439-89-6	Iron	ND		mg/L	0.278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/22/2021 10:18	12/22/2021 16:44	RTH
7439-92-1	Lead	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/22/2021 10:18	12/22/2021 16:44	RTH
7439-95-4	Magnesium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/22/2021 10:18	12/22/2021 16:44	RTH
7439-96-5	Manganese	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/22/2021 10:18	12/22/2021 16:44	RTH
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/22/2021 10:18	12/22/2021 16:44	RTH
7440-09-7	Potassium	ND		mg/L	0.0556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/22/2021 10:18	12/22/2021 16:44	RTH
7440-22-4	Silver	ND		mg/L	0.00556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/22/2021 10:18	12/22/2021 16:44	RTH
7440-23-5	Sodium	ND		mg/L	0.556	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/22/2021 10:18	12/22/2021 16:44	RTH
7440-62-2	Vanadium	ND		mg/L	0.0111	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/22/2021 10:18	12/22/2021 16:44	RTH
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/22/2021 10:18	12/22/2021 16:44	RTH

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 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 11:58	12/22/2021 12:48	EM
7440-38-2	Arsenic	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 11:58	12/22/2021 12:48	EM
7440-41-7	Beryllium	ND		mg/L	0.000333	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 11:58	12/22/2021 12:48	EM
7440-43-9	Cadmium	ND		mg/L	0.000556	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 11:58	12/22/2021 12:48	EM
7782-49-2	Selenium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 11:58	12/22/2021 12:48	EM
7440-28-0	Thallium	ND		mg/L	0.00111	1	EPA 6020B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/20/2021 11:58	12/22/2021 12:48	EM

Mercury by 7470/7471

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

Sample Information

Client Sample ID: **FB02_121521** **York Sample ID:** **21L0910-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Water	December 15, 2021 3:25 pm	12/15/2021

Sample Prepared by Method: EPA SW846-7470A

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	0.0002	1	EPA 7470	12/16/2021 22:21	12/16/2021 22:21	AD
							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		mg/L	0.0100	1	EPA 7196A	12/15/2021 19:58	12/15/2021 23:28	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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	ND		mg/L	0.0100	1	Calculation	12/22/2021 18:32	12/27/2021 14:57	PAM
							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	12/16/2021 13:25	12/16/2021 22:58	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP05_0-2** **York Sample ID:** **21L0910-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:15 am	12/15/2021

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	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.051	0.10	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP05_0-2** **York Sample ID:** **21L0910-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:15 am	12/15/2021

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	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP05_0-2** **York Sample ID:** **21L0910-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:15 am	12/15/2021

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	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0051	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0026	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP05_0-2** **York Sample ID:** **21L0910-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:15 am	12/15/2021

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	0.0051	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0077	0.015	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*111 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*105 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0840	0.168	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0840	0.168	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0840	0.168	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP05_0-2** **York Sample ID:** **21L0910-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:15 am	12/15/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
91-57-6	**2-Methylnaphthalene**	**12.2**		mg/kg dry	0.211	0.420	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/28/2021 16:47	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0840	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0840	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0840	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0840	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0840	0.168	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
83-32-9	**Acenaphthene**	**19.1**		mg/kg dry	4.21	8.40	200	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/27/2021 13:11	KH
208-96-8	**Acenaphthylene**	**2.52**		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
62-53-3	Aniline	ND		mg/kg dry	0.168	0.337	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
120-12-7	**Anthracene**	**6.25**		mg/kg dry	0.211	0.420	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/28/2021 16:47	KH

Sample Information

Client Sample ID: **EP05_0-2** **York Sample ID:** **21L0910-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:15 am	12/15/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
92-87-5	Benzidine	ND		mg/kg dry	0.168	0.337	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
56-55-3	**Benzo(a)anthracene**	**4.34**		mg/kg dry	0.211	0.420	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/28/2021 16:47	KH
50-32-8	**Benzo(a)pyrene**	**4.18**		mg/kg dry	0.211	0.420	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/28/2021 16:47	KH
205-99-2	**Benzo(b)fluoranthene**	**2.02**		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
191-24-2	**Benzo(g,h,i)perylene**	**2.34**		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
207-08-9	**Benzo(k)fluoranthene**	**2.56**		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
85-68-7	**Benzyl butyl phthalate**	**0.0510**	J	mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.0819**	J	mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0840	0.168	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
86-74-8	**Carbazole**	**0.185**		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
218-01-9	**Chrysene**	**4.14**		mg/kg dry	0.211	0.420	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/28/2021 16:47	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.606**		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:31	12/23/2021 23:36	KH

Sample Information

Client Sample ID: **EP05_0-2** **York Sample ID:** **21L0910-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:15 am	12/15/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**9.09**		mg/kg dry	0.211	0.420	10	EPA 8270D	12/23/2021 07:31	12/28/2021 16:47	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**7.95**		mg/kg dry	0.211	0.420	10	EPA 8270D	12/23/2021 07:31	12/28/2021 16:47	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1.94**		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
78-59-1	Isophorone	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**47.8**		mg/kg dry	4.21	8.40	200	EPA 8270D	12/23/2021 07:31	12/27/2021 13:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**17.1**		mg/kg dry	4.21	8.40	200	EPA 8270D	12/23/2021 07:31	12/27/2021 13:11	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0421	0.0840	2	EPA 8270D	12/23/2021 07:31	12/23/2021 23:36	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**12.4**		mg/kg dry	0.211	0.420	10	EPA 8270D	12/23/2021 07:31	12/28/2021 16:47	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*25.2 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*26.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*36.9 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*36.3 %*	*21-113*

Sample Information

Client Sample ID: **EP05_0-2** **York Sample ID:** **21L0910-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:15 am	12/15/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*35.6 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*39.8 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/27/2021 08:00	12/28/2021 16:58	KH

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*30.0 %*	S-08	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL

Sample Information

Client Sample ID: **EP05_0-2** **York Sample ID:** **21L0910-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:15 am	12/15/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/20/2021 13:40	12/23/2021 23:21	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*93.3 %*	*25-150*
Surrogate: M5PFHxA	*86.8 %*	*25-150*
Surrogate: M4PFHpA	*91.2 %*	*25-150*
Surrogate: M3PFHxS	*91.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*108 %*	*25-150*
Surrogate: M6PFDA	*95.8 %*	*25-150*
Surrogate: M7PFUdA	*70.0 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*65.0 %*	*25-150*
Surrogate: M2PFTeDA	*65.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*82.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*86.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*80.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*58.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*76.2 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*72.8 %*	*25-150*
Surrogate: M2-6:2 FTS	*67.4 %*	*25-200*
Surrogate: M2-8:2 FTS	*66.9 %*	*25-200*
Surrogate: M9PFNA	*97.1 %*	*25-150*

Sample Information

Client Sample ID: **EP05_0-2** **York Sample ID:** **21L0910-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:15 am	12/15/2021

Pesticides, 8081 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	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.170	5	EPA 8081B	12/22/2021 07:53	12/23/2021 19:57	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP05_0-2** **York Sample ID:** **21L0910-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:15 am	12/15/2021

Pesticides, 8081 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
	Surrogate Recoveries	**Result**		**Acceptance Range**						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*89.7 %*		*30-150*						
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*21.1 %*	S-GC	*30-150*						

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0171	1	EPA 8082A	12/22/2021 07:53	12/23/2021 16:22	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0171	1	EPA 8082A	12/22/2021 07:53	12/23/2021 16:22	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0171	1	EPA 8082A	12/22/2021 07:53	12/23/2021 16:22	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0171	1	EPA 8082A	12/22/2021 07:53	12/23/2021 16:22	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0171	1	EPA 8082A	12/22/2021 07:53	12/23/2021 16:22	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0171	1	EPA 8082A	12/22/2021 07:53	12/23/2021 16:22	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0171	1	EPA 8082A	12/22/2021 07:53	12/23/2021 16:22	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0171	1	EPA 8082A	12/22/2021 07:53	12/23/2021 16:22	BJ
							Certifications:			
	Surrogate Recoveries	**Result**		**Acceptance Range**						
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*67.0 %*		*30-120*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*46.5 %*		*30-120*						

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0206	1	EPA 8151A	12/27/2021 07:57	12/28/2021 17:05	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0206	1	EPA 8151A	12/27/2021 07:57	12/28/2021 17:05	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0206	1	EPA 8151A	12/27/2021 07:57	12/28/2021 17:05	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
	Surrogate Recoveries	**Result**		**Acceptance Range**						
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*61.4 %*		*21-150*						

Sample Information

Client Sample ID: **EP05_0-2** **York Sample ID:** **21L0910-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:15 am	12/15/2021

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**	**6470**		mg/kg dry	5.17	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.59	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**12.8**		mg/kg dry	1.55	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**103**		mg/kg dry	2.59	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.052	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**1.04**		mg/kg dry	0.310	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**123000**	B	mg/kg dry	5.17	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**14.2**		mg/kg dry	0.517	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**5.78**		mg/kg dry	0.414	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**38.1**		mg/kg dry	2.07	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**8500**		mg/kg dry	25.9	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**114**		mg/kg dry	0.517	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**24900**		mg/kg dry	5.17	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**218**		mg/kg dry	0.517	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**14.9**		mg/kg dry	1.03	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**934**		mg/kg dry	5.17	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**4.15**		mg/kg dry	2.59	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**0.962**		mg/kg dry	0.517	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**155**		mg/kg dry	51.7	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.59	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**21.7**		mg/kg dry	1.03	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP05_0-2** **York Sample ID:** **21L0910-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 11:15 am	12/15/2021

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
7440-66-6	**Zinc**	**179**		mg/kg dry	2.59	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:13	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.490**		mg/kg dry	0.0310	1	EPA 7473	12/22/2021 11:32	12/22/2021 13:22	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	0.517	1	EPA 7196A	12/21/2021 13:16	12/21/2021 20:32	MAO
							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**	**14.2**		mg/kg	0.500	1	Calculation	12/22/2021 18:34	12/27/2021 14:57	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	0.517	1	EPA 9014/9010C	12/22/2021 14:35	12/22/2021 23:00	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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**	**96.7**		%	0.100	1	SM 2540G	12/21/2021 13:37	12/21/2021 18:33	VR
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **EP14_0-2** **York Sample ID:** **21L0910-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 8:40 am	12/15/2021

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	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.097	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP14_0-2 **York Sample ID:** 21L0910-10

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 8:40 am	12/15/2021

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	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP14_0-2** **York Sample ID:** **21L0910-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 8:40 am	12/15/2021

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	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0063**	J	mg/kg dry	0.0048	0.0097	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP14_0-2** **York Sample ID:** **21L0910-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 8:40 am	12/15/2021

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	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C	12/21/2021 06:18	12/22/2021 01:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*105 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP14_0-2** **York Sample ID:** **21L0910-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 8:40 am	12/15/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
91-57-6	**2-Methylnaphthalene**	**0.253**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
83-32-9	**Acenaphthene**	**0.115**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
208-96-8	**Acenaphthylene**	**0.281**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
120-12-7	**Anthracene**	**0.311**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH

Sample Information

Client Sample ID: **EP14_0-2** **York Sample ID:** **21L0910-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 8:40 am	12/15/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
56-55-3	**Benzo(a)anthracene**	**0.802**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
50-32-8	**Benzo(a)pyrene**	**0.862**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
205-99-2	**Benzo(b)fluoranthene**	**0.597**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.536**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
207-08-9	**Benzo(k)fluoranthene**	**0.669**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
85-68-7	**Benzyl butyl phthalate**	**0.666**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**1.08**	B	mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
86-74-8	**Carbazole**	**0.0845**	J	mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
218-01-9	**Chrysene**	**0.827**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.180**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
132-64-9	**Dibenzofuran**	**0.0610**	J	mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 15:54	KH

Sample Information

Client Sample ID: **EP14_0-2** **York Sample ID:** **21L0910-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 8:40 am	12/15/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	**Di-n-octyl phthalate**	**0.0463**	J	mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**1.56**		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**0.254**		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.420**		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
78-59-1	Isophorone	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.229**		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**1.51**		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**1.68**		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/23/2021 07:29	12/23/2021 15:54	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*42.7 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*39.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*43.2 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*46.8 %*	*21-113*

Sample Information

Client Sample ID: **EP14_0-2** **York Sample ID:** **21L0910-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 8:40 am	12/15/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*44.2 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*53.0 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/27/2021 08:00	12/27/2021 19:28	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.650**		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
2058-94-8	*** Perfluoroundecanoic acid (PFUnA)**	**0.281**		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL

Sample Information

Client Sample ID: **EP14_0-2** **York Sample ID:** **21L0910-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 8:40 am	12/15/2021

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
39108-34-4	* **1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)**	**0.739**		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.248	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:10	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*94.6 %*	*25-150*
Surrogate: M5PFHxA	*82.5 %*	*25-150*
Surrogate: M4PFHpA	*97.0 %*	*25-150*
Surrogate: M3PFHxS	*90.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*89.2 %*	*25-150*
Surrogate: M6PFDA	*92.1 %*	*25-150*
Surrogate: M7PFUdA	*70.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*74.5 %*	*25-150*
Surrogate: M2PFTeDA	*67.0 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*84.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*77.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*85.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*61.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*67.5 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*79.9 %*	*25-150*
Surrogate: M2-6:2 FTS	*55.1 %*	*25-200*
Surrogate: M2-8:2 FTS	*68.1 %*	*25-200*
Surrogate: M9PFNA	*79.1 %*	*25-150*

Sample Information

Client Sample ID: **EP14_0-2** **York Sample ID:** **21L0910-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 8:40 am	12/15/2021

Pesticides, 8081 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	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:14	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP14_0-2** **York Sample ID:** **21L0910-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 8:40 am	12/15/2021

Pesticides, 8081 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

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*81.7 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*54.7 %*	*30-150*

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/22/2021 07:51	12/23/2021 02:08	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/22/2021 07:51	12/23/2021 02:08	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/22/2021 07:51	12/23/2021 02:08	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/22/2021 07:51	12/23/2021 02:08	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/22/2021 07:51	12/23/2021 02:08	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/22/2021 07:51	12/23/2021 02:08	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/22/2021 07:51	12/23/2021 02:08	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications:	12/22/2021 07:51	12/23/2021 02:08	BJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*62.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*49.5 %*	*30-120*

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0221	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/27/2021 07:57	12/27/2021 20:44	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0221	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/27/2021 07:57	12/27/2021 20:44	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0221	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/27/2021 07:57	12/27/2021 20:44	BJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*86.4 %*	*21-150*

Sample Information

Client Sample ID: **EP14_0-2** **York Sample ID:** **21L0910-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 8:40 am	12/15/2021

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**	**7720**	B	mg/kg dry	5.55	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.77	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**6.16**		mg/kg dry	1.66	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**92.3**		mg/kg dry	2.77	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.454**		mg/kg dry	0.333	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**32400**	B	mg/kg dry	5.55	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**19.9**		mg/kg dry	0.555	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.57**		mg/kg dry	0.444	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**39.8**		mg/kg dry	2.22	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**12800**		mg/kg dry	27.7	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**210**		mg/kg dry	0.555	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3300**		mg/kg dry	5.55	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**254**		mg/kg dry	0.555	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**26.8**		mg/kg dry	1.11	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1160**		mg/kg dry	5.55	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.77	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.555	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**149**		mg/kg dry	55.5	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.77	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**22.5**		mg/kg dry	1.11	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP14_0-2** **York Sample ID:** **21L0910-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 8:40 am	12/15/2021

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
7440-66-6	**Zinc**	**118**		mg/kg dry	2.77	1	EPA 6010D	12/20/2021 15:42	12/21/2021 20:00	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.479**		mg/kg dry	0.0333	1	EPA 7473	12/22/2021 11:34	12/22/2021 14:04	BR
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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	0.555	1	EPA 7196A	12/22/2021 07:48	12/22/2021 16:19	MAO
							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**	**19.9**		mg/kg	0.500	1	Calculation	12/22/2021 18:34	12/27/2021 14:57	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	0.555	1	EPA 9014/9010C	12/22/2021 08:15	12/22/2021 16:33	TJA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,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**	**90.1**		%	0.100	1	SM 2540G	12/22/2021 11:07	12/22/2021 17:12	TJA
							Certifications: CTDOH			

Sample Information

Client Sample ID: **EP02_0-2** **York Sample ID:** **21L0910-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:08 pm	12/15/2021

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	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.074	0.15	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP02_0-2** **York Sample ID:** **21L0910-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:08 pm	12/15/2021

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	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP02_0-2** **York Sample ID:** **21L0910-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:08 pm	12/15/2021

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	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0074	0.015	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**0.047**		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP02_0-2** **York Sample ID:** **21L0910-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:08 pm	12/15/2021

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	0.0037	0.0074	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.022	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*109 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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**	**0.164**		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP02_0-2** **York Sample ID:** **21L0910-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:08 pm	12/15/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
91-57-6	**2-Methylnaphthalene**	**1.07**		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
83-32-9	**Acenaphthene**	**0.232**		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
208-96-8	**Acenaphthylene**	**2.79**		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
62-53-3	Aniline	ND		mg/kg dry	0.186	0.372	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH
120-12-7	**Anthracene**	**1.06**		mg/kg dry	0.0466	0.0930	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:25	KH

Sample Information

Client Sample ID: **EP02_0-2** **York Sample ID:** **21L0910-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:08 pm	12/15/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.186	0.372	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**1.92**		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**3.23**		mg/kg dry	0.233	0.465	10	EPA 8270D	12/23/2021 07:29	12/27/2021 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**2.48**		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**4.62**		mg/kg dry	0.233	0.465	10	EPA 8270D	12/23/2021 07:29	12/27/2021 12:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**2.18**		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0930	0.186	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	Carbazole	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**2.49**		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**1.24**		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP02_0-2** **York Sample ID:** **21L0910-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:08 pm	12/15/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**1.71**		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**0.248**		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**2.92**		mg/kg dry	0.233	0.465	10	EPA 8270D	12/23/2021 07:29	12/27/2021 12:17	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
78-59-1	Isophorone	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**1.21**		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**1.78**		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0466	0.0930	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**4.25**		mg/kg dry	0.233	0.465	10	EPA 8270D	12/23/2021 07:29	12/27/2021 12:17	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*41.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*39.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*46.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*48.3 %*	*21-113*

Sample Information

Client Sample ID: **EP02_0-2** **York Sample ID:** **21L0910-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:08 pm	12/15/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*46.3 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*52.8 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	18.9	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/27/2021 08:00	12/27/2021 19:45	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL

Sample Information

Client Sample ID: **EP02_0-2** **York Sample ID:** **21L0910-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:08 pm	12/15/2021

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**2.72**		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.684**		ug/kg dry	0.263	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:47	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*89.6 %*		*25-150*
Surrogate: M5PFHxA	*85.7 %*		*25-150*
Surrogate: M4PFHpA	*53.0 %*		*25-150*
Surrogate: M3PFHxS	*92.0 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*97.3 %*		*25-150*
Surrogate: M6PFDA	*101 %*		*25-150*
Surrogate: M7PFUdA	*77.6 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*64.6 %*		*25-150*
Surrogate: M2PFTeDA	*51.4 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*94.9 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*90.1 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*96.2 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*36.1 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*65.2 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*83.4 %*		*25-150*
Surrogate: M2-6:2 FTS	*178 %*		*25-200*
Surrogate: M2-8:2 FTS	*217 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*76.9 %*		*25-150*

Sample Information

Client Sample ID: **EP02_0-2** **York Sample ID:** **21L0910-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:08 pm	12/15/2021

Pesticides, 8081 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	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.185	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:31	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP02_0-2** **York Sample ID:** **21L0910-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:08 pm	12/15/2021

Pesticides, 8081 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

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*78.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*53.6 %*	*30-150*

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0186	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0186	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0186	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0186	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0186	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0186	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0186	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:23	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0186	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:23	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*64.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*50.0 %*	*30-120*

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0224	1	EPA 8151A	12/23/2021 07:27	12/23/2021 18:11	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0224	1	EPA 8151A	12/23/2021 07:27	12/23/2021 18:11	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0224	1	EPA 8151A	12/23/2021 07:27	12/23/2021 18:11	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*73.0 %*	*21-150*

Sample Information

Client Sample ID: **EP02_0-2** **York Sample ID:** **21L0910-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:08 pm	12/15/2021

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**	**1680**		mg/kg dry	5.65	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.83	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**6.64**		mg/kg dry	1.70	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**73.5**		mg/kg dry	2.83	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.339	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**8010**	B	mg/kg dry	5.65	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**10.7**		mg/kg dry	0.565	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**2.87**		mg/kg dry	0.452	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**40.9**		mg/kg dry	2.26	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**12800**		mg/kg dry	28.3	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**49.6**		mg/kg dry	0.565	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2440**		mg/kg dry	5.65	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**44.4**		mg/kg dry	0.565	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**9.09**		mg/kg dry	1.13	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**289**		mg/kg dry	5.65	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.83	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.565	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**204**		mg/kg dry	56.5	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.83	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**9.86**		mg/kg dry	1.13	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP02_0-2** **York Sample ID:** **21L0910-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 1:08 pm	12/15/2021

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
7440-66-6	**Zinc**	**10.8**		mg/kg dry	2.83	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:26	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.262**		mg/kg dry	0.0339	1	EPA 7473	12/22/2021 11:32	12/22/2021 14:47	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	0.565	1	EPA 7196A	12/21/2021 13:16	12/21/2021 20:32	MAO
							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**	**10.7**		mg/kg	0.500	1	Calculation	12/22/2021 18:34	12/27/2021 14:57	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**	**6.94**		mg/kg dry	0.565	1	EPA 9014/9010C	12/22/2021 08:15	12/22/2021 16:33	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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**	**88.5**		%	0.100	1	SM 2540G	12/22/2021 11:07	12/22/2021 17:12	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **EP09_0-2** **York Sample ID:** **21L0910-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.094	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP09_0-2** **York Sample ID:** **21L0910-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.011**		mg/kg dry	0.0047	0.0094	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**0.0027**	J	mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP09_0-2

York Sample ID: 21L0910-12

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP09_0-2** **York Sample ID:** **21L0910-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C	12/21/2021 06:18	12/22/2021 02:51	BMC
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*108 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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**	**0.0993**		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0894	0.178	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications: NELAC-NY10854,PADEP			
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications: NELAC-NY10854,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications: NELAC-NY10854,PADEP			
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0894	0.178	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0894	0.178	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: **EP09_0-2** **York Sample ID:** **21L0910-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
91-57-6	**2-Methylnaphthalene**	**0.524**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0894	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0894	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0894	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0894	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0894	0.178	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
83-32-9	**Acenaphthene**	**0.267**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
208-96-8	**Acenaphthylene**	**1.10**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
62-53-3	Aniline	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
120-12-7	**Anthracene**	**1.34**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH

Sample Information

Client Sample ID: **EP09_0-2** **York Sample ID:** **21L0910-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
92-87-5	Benzidine	ND		mg/kg dry	0.179	0.358	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
56-55-3	**Benzo(a)anthracene**	**1.63**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
50-32-8	**Benzo(a)pyrene**	**1.98**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
205-99-2	**Benzo(b)fluoranthene**	**1.26**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
191-24-2	**Benzo(g,h,i)perylene**	**1.29**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
207-08-9	**Benzo(k)fluoranthene**	**1.38**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
85-68-7	**Benzyl butyl phthalate**	**0.136**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.0643**	J, B	mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0894	0.178	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
86-74-8	**Carbazole**	**0.206**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
218-01-9	**Chrysene**	**1.70**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.399**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
132-64-9	**Dibenzofuran**	**0.293**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH
131-11-3	**Dimethyl phthalate**	**0.351**		mg/kg dry	0.0448	0.0894	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 16:57	KH

Sample Information

Client Sample ID: **EP09_0-2** **York Sample ID:** **21L0910-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**2.49**		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**0.480**		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1.00**		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	**Naphthalene**	**1.17**		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**2.03**		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0448	0.0894	2	EPA 8270D	12/23/2021 07:29	12/23/2021 16:57	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**3.32**		mg/kg dry	0.112	0.223	5	EPA 8270D	12/23/2021 07:29	12/27/2021 16:53	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*47.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*41.7 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*44.8 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*48.8 %*	*21-113*

Sample Information

Client Sample ID: **EP09_0-2** **York Sample ID:** **21L0910-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*70.6 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*55.4 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/27/2021 08:00	12/27/2021 20:01	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*42.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL

Sample Information

Client Sample ID: **EP09_0-2** **York Sample ID:** **21L0910-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 00:59	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*73.7 %*	*25-150*
Surrogate: M5PFHxA	*81.3 %*	*25-150*
Surrogate: M4PFHpA	*88.0 %*	*25-150*
Surrogate: M3PFHxS	*81.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*101 %*	*25-150*
Surrogate: M6PFDA	*82.3 %*	*25-150*
Surrogate: M7PFUdA	*85.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*72.6 %*	*25-150*
Surrogate: M2PFTeDA	*69.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*79.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*75.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*81.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*60.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*100 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*85.9 %*	*25-150*
Surrogate: M2-6:2 FTS	*58.3 %*	*25-200*
Surrogate: M2-8:2 FTS	*66.4 %*	*25-200*
Surrogate: M9PFNA	*97.4 %*	*25-150*

Sample Information

Client Sample ID: **EP09_0-2** **York Sample ID:** **21L0910-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Pesticides, 8081 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	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.177	5	EPA 8081B	12/22/2021 07:51	12/23/2021 20:47	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP09_0-2** **York Sample ID:** **21L0910-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Pesticides, 8081 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

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*102 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*58.3 %*	*30-150*

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0178	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:38	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0178	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:38	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0178	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:38	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0178	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:38	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0178	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:38	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0178	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:38	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0178	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:38	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0178	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:38	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*66.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*48.5 %*	*30-120*

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0216	1	EPA 8151A	12/23/2021 07:27	12/23/2021 18:22	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0216	1	EPA 8151A	12/23/2021 07:27	12/23/2021 18:22	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0216	1	EPA 8151A	12/23/2021 07:27	12/23/2021 18:22	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*63.0 %*	*21-150*

Sample Information

Client Sample ID: **EP09_0-2** **York Sample ID:** **21L0910-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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**	**8940**		mg/kg dry	5.41	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.71	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**7.06**		mg/kg dry	1.62	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**141**		mg/kg dry	2.71	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**1.08**		mg/kg dry	0.325	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**37800**	B	mg/kg dry	5.41	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**23.2**		mg/kg dry	0.541	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**7.13**		mg/kg dry	0.433	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**153**		mg/kg dry	2.16	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**13800**		mg/kg dry	27.1	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**325**		mg/kg dry	0.541	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3870**		mg/kg dry	5.41	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**227**		mg/kg dry	0.541	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**20.4**		mg/kg dry	1.08	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1120**		mg/kg dry	5.41	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.71	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.541	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**436**		mg/kg dry	54.1	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.71	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**24.9**		mg/kg dry	1.08	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP09_0-2** **York Sample ID:** **21L0910-12**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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
7440-66-6	**Zinc**	**226**		mg/kg dry	2.71	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.267**		mg/kg dry	0.0325	1	EPA 7473	12/22/2021 11:32	12/22/2021 14:55	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	0.541	1	EPA 7196A	12/21/2021 13:16	12/21/2021 20:32	MAO
							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**	**23.2**		mg/kg	0.500	1	Calculation	12/22/2021 18:34	12/27/2021 14:57	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**	**2.05**		mg/kg dry	0.541	1	EPA 9014/9010C	12/22/2021 08:15	12/22/2021 16:33	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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**	**92.4**		%	0.100	1	SM 2540G	12/22/2021 11:07	12/22/2021 17:12	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SODUP01_121521** **York Sample ID:** **21L0910-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **SODUP01_121521** **York Sample ID:** **21L0910-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SODUP01_121521 **York Sample ID:** 21L0910-13

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **SODUP01_121521** **York Sample ID:** **21L0910-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:18	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*107 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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**	**0.133**		mg/kg dry	0.0460	0.0918	2	EPA 8270D	12/23/2021 07:29	12/23/2021 17:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D	12/23/2021 07:29	12/23/2021 17:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	12/23/2021 07:29	12/23/2021 17:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	12/23/2021 07:29	12/23/2021 17:28	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	12/23/2021 07:29	12/23/2021 17:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	12/23/2021 07:29	12/23/2021 17:28	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	12/23/2021 07:29	12/23/2021 17:28	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D	12/23/2021 07:29	12/23/2021 17:28	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	12/23/2021 07:29	12/23/2021 17:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	12/23/2021 07:29	12/23/2021 17:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	12/23/2021 07:29	12/23/2021 17:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	12/23/2021 07:29	12/23/2021 17:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D	12/23/2021 07:29	12/23/2021 17:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D	12/23/2021 07:29	12/23/2021 17:28	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **SODUP01_121521** **York Sample ID:** **21L0910-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
91-57-6	**2-Methylnaphthalene**	**0.626**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
83-32-9	**Acenaphthene**	**0.903**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
208-96-8	**Acenaphthylene**	**0.126**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
120-12-7	**Anthracene**	**0.671**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH

Sample Information

Client Sample ID: **SODUP01_121521** **York Sample ID:** **21L0910-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
56-55-3	**Benzo(a)anthracene**	**1.75**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
50-32-8	**Benzo(a)pyrene**	**1.82**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
205-99-2	**Benzo(b)fluoranthene**	**1.36**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
191-24-2	**Benzo(g,h,i)perylene**	**1.03**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
207-08-9	**Benzo(k)fluoranthene**	**1.33**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
85-68-7	**Benzyl butyl phthalate**	**3.95**		mg/kg dry	0.230	0.459	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/27/2021 12:48	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.469**	B	mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0918	0.183	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
86-74-8	**Carbazole**	**0.277**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
218-01-9	**Chrysene**	**1.67**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.354**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
132-64-9	**Dibenzofuran**	**0.364**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH

Sample Information

Client Sample ID: **SODUP01_121521** **York Sample ID:** **21L0910-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
206-44-0	**Fluoranthene**	**3.32**		mg/kg dry	0.230	0.459	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/27/2021 12:48	KH
86-73-7	**Fluorene**	**0.398**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.875**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
91-20-3	**Naphthalene**	**2.81**		mg/kg dry	0.230	0.459	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/27/2021 12:48	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
85-01-8	**Phenanthrene**	**2.59**		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
108-95-2	Phenol	ND		mg/kg dry	0.0460	0.0918	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/23/2021 17:28	KH
129-00-0	**Pyrene**	**3.25**		mg/kg dry	0.230	0.459	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/23/2021 07:29	12/27/2021 12:48	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*46.2 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*41.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*45.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*49.0 %*	*21-113*

Sample Information

Client Sample ID: **SODUP01_121521** **York Sample ID:** **21L0910-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*72.4 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*55.2 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.8	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/27/2021 08:00	12/27/2021 20:18	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.291**		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL

Sample Information

Client Sample ID: **SODUP01_121521** **York Sample ID:** **21L0910-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.240	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:11	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*84.8 %*	*25-150*
Surrogate: M5PFHxA	*81.6 %*	*25-150*
Surrogate: M4PFHpA	*90.5 %*	*25-150*
Surrogate: M3PFHxS	*93.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*90.4 %*	*25-150*
Surrogate: M6PFDA	*77.2 %*	*25-150*
Surrogate: M7PFUdA	*80.5 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*74.5 %*	*25-150*
Surrogate: M2PFTeDA	*66.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*78.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*80.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*82.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*64.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*75.2 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*87.7 %*	*25-150*
Surrogate: M2-6:2 FTS	*66.5 %*	*25-200*
Surrogate: M2-8:2 FTS	*52.7 %*	*25-200*
Surrogate: M9PFNA	*77.2 %*	*25-150*

Sample Information

Client Sample ID: **SODUP01_121521** **York Sample ID:** **21L0910-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Pesticides, 8081 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	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.180	5	EPA 8081B	12/22/2021 07:51	12/23/2021 05:03	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **SODUP01_121521** **York Sample ID:** **21L0910-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Pesticides, 8081 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

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*86.2 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*92.8 %*	*30-150*

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:53	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:53	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:53	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:53	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:53	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:53	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:53	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	1	EPA 8082A	12/22/2021 07:51	12/23/2021 02:53	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*89.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*64.0 %*	*30-120*

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0216	1	EPA 8151A	12/23/2021 07:27	12/23/2021 18:32	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0216	1	EPA 8151A	12/23/2021 07:27	12/23/2021 18:32	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0216	1	EPA 8151A	12/23/2021 07:27	12/23/2021 18:32	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*78.0 %*	*21-150*

Sample Information

Client Sample ID: **SODUP01_121521** **York Sample ID:** **21L0910-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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**	**7420**		mg/kg dry	5.52	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.76	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**4.73**		mg/kg dry	1.66	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**80.4**		mg/kg dry	2.76	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.477**		mg/kg dry	0.331	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**5870**	B	mg/kg dry	5.52	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**16.7**		mg/kg dry	0.552	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**8.10**		mg/kg dry	0.442	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**30.0**		mg/kg dry	2.21	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**11600**		mg/kg dry	27.6	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**192**		mg/kg dry	0.552	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**1930**		mg/kg dry	5.52	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**302**		mg/kg dry	0.552	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**27.7**		mg/kg dry	1.10	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**900**		mg/kg dry	5.52	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.76	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.552	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**76.3**		mg/kg dry	55.2	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.76	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**27.3**		mg/kg dry	1.10	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **SODUP01_121521** **York Sample ID:** **21L0910-13**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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
7440-66-6	**Zinc**	**85.7**		mg/kg dry	2.76	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:41	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.415**		mg/kg dry	0.0331	1	EPA 7473	12/22/2021 11:32	12/22/2021 15:04	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	0.552	1	EPA 7196A	12/21/2021 13:16	12/21/2021 20:32	MAO
							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	12/22/2021 18:34	12/27/2021 14:57	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	0.552	1	EPA 9014/9010C	12/22/2021 08:15	12/22/2021 16:33	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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**	**90.5**		%	0.100	1	SM 2540G	12/22/2021 11:07	12/22/2021 17:12	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **SODUP02_121521** **York Sample ID:** **21L0910-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.043	0.087	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: SODUP02_121521 **York Sample ID:** 21L0910-14

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **SODUP02_121521** **York Sample ID:** **21L0910-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0043	0.0087	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0043	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **SODUP02_121521** **York Sample ID:** **21L0910-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0065	0.013	1	EPA 8260C	12/21/2021 06:18	12/22/2021 03:46	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*109 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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**	**0.167**		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0834	0.167	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0834	0.167	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0834	0.167	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **SODUP02_121521** **York Sample ID:** **21L0910-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
91-57-6	**2-Methylnaphthalene**	**1.22**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0834	0.167	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0834	0.167	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0834	0.167	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0834	0.167	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0834	0.167	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
83-32-9	**Acenaphthene**	**0.958**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
208-96-8	**Acenaphthylene**	**0.653**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
62-53-3	Aniline	ND		mg/kg dry	0.167	0.334	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
120-12-7	**Anthracene**	**0.537**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH

Sample Information

Client Sample ID: **SODUP02_121521** **York Sample ID:** **21L0910-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
92-87-5	Benzidine	ND		mg/kg dry	0.167	0.334	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
56-55-3	**Benzo(a)anthracene**	**1.06**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
50-32-8	**Benzo(a)pyrene**	**1.31**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
205-99-2	**Benzo(b)fluoranthene**	**0.921**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
191-24-2	**Benzo(g,h,i)perylene**	**1.04**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
207-08-9	**Benzo(k)fluoranthene**	**0.895**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
85-68-7	**Benzyl butyl phthalate**	**0.197**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.232**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0834	0.167	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
86-74-8	**Carbazole**	**0.113**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
218-01-9	**Chrysene**	**1.07**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.283**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
132-64-9	**Dibenzofuran**	**0.411**		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:35	12/29/2021 17:09	KH

Sample Information

Client Sample ID: **SODUP02_121521** **York Sample ID:** **21L0910-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**2.03**		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**0.443**		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.945**		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
78-59-1	Isophorone	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**2.95**		mg/kg dry	0.105	0.209	5	EPA 8270D	12/29/2021 07:35	12/29/2021 18:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**1.35**		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**2.27**		mg/kg dry	0.0418	0.0834	2	EPA 8270D	12/29/2021 07:35	12/29/2021 17:09	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*27.1 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*45.7 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*67.6 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*56.5 %*	*21-113*

Sample Information

Client Sample ID: **SODUP02_121521** **York Sample ID:** **21L0910-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*17.3 %*	S-09		*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*69.2 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	18.9	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/22/2021 14:07	12/23/2021 16:33	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*70.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL

Sample Information

Client Sample ID: **SODUP02_121521** **York Sample ID:** **21L0910-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.249	1	EPA 537m Certifications:	12/20/2021 13:40	12/24/2021 01:24	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*82.4 %*	*25-150*
Surrogate: M5PFHxA	*84.3 %*	*25-150*
Surrogate: M4PFHpA	*89.6 %*	*25-150*
Surrogate: M3PFHxS	*77.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*102 %*	*25-150*
Surrogate: M6PFDA	*71.6 %*	*25-150*
Surrogate: M7PFUdA	*71.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*60.5 %*	*25-150*
Surrogate: M2PFTeDA	*55.7 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*76.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*75.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*81.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*54.5 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*78.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*84.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*64.6 %*	*25-200*
Surrogate: M2-8:2 FTS	*59.6 %*	*25-200*
Surrogate: M9PFNA	*84.5 %*	*25-150*

Sample Information

Client Sample ID: **SODUP02_121521** **York Sample ID:** **21L0910-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Pesticides, 8081 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	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.164	5	EPA 8081B	12/22/2021 07:51	12/23/2021 21:04	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **SODUP02_121521** **York Sample ID:** **21L0910-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

Pesticides, 8081 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

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*66.5 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*44.1 %*	*30-150*

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0166	1	EPA 8082A	12/22/2021 07:51	12/23/2021 03:08	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0166	1	EPA 8082A	12/22/2021 07:51	12/23/2021 03:08	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0166	1	EPA 8082A	12/22/2021 07:51	12/23/2021 03:08	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0166	1	EPA 8082A	12/22/2021 07:51	12/23/2021 03:08	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0166	1	EPA 8082A	12/22/2021 07:51	12/23/2021 03:08	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0166	1	EPA 8082A	12/22/2021 07:51	12/23/2021 03:08	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
11096-82-5	**Aroclor 1260**	**0.0181**		mg/kg dry	0.0166	1	EPA 8082A	12/22/2021 07:51	12/23/2021 03:08	BJ
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			
1336-36-3	*** Total PCBs**	**0.0181**		mg/kg dry	0.0166	1	EPA 8082A	12/22/2021 07:51	12/23/2021 03:08	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*53.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*41.0 %*	*30-120*

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0201	1	EPA 8151A	12/23/2021 07:27	12/23/2021 18:43	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0201	1	EPA 8151A	12/23/2021 07:27	12/23/2021 18:43	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
94-75-7	2,4-D	ND		mg/kg dry	0.0201	1	EPA 8151A	12/23/2021 07:27	12/23/2021 18:43	BJ
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*26.0 %*	*21-150*

Sample Information

Client Sample ID: **SODUP02_121521** **York Sample ID:** **21L0910-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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**	**7730**		mg/kg dry	5.07	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.53	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**15.2**		mg/kg dry	1.52	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**145**		mg/kg dry	2.53	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.051	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.977**		mg/kg dry	0.304	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**17000**	B	mg/kg dry	5.07	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**19.6**		mg/kg dry	0.507	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**9.89**		mg/kg dry	0.405	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**85.3**		mg/kg dry	2.03	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**23800**		mg/kg dry	25.3	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**444**		mg/kg dry	0.507	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**4860**		mg/kg dry	5.07	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**341**		mg/kg dry	0.507	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**36.1**		mg/kg dry	1.01	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1530**		mg/kg dry	5.07	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.53	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.507	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**156**		mg/kg dry	50.7	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.53	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**35.5**		mg/kg dry	1.01	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **SODUP02_121521** **York Sample ID:** **21L0910-14**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0910	170420201	Soil	December 15, 2021 2:35 pm	12/15/2021

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
7440-66-6	**Zinc**	**214**		mg/kg dry	2.53	1	EPA 6010D	12/18/2021 09:31	12/21/2021 15:43	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.989**		mg/kg dry	0.0304	1	EPA 7473	12/22/2021 11:32	12/22/2021 15:12	BR
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	0.507	1	EPA 7196A	12/21/2021 13:16	12/21/2021 20:32	MAO
							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**	**19.6**		mg/kg	0.500	1	Calculation	12/22/2021 18:34	12/27/2021 14:57	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	0.507	1	EPA 9014/9010C	12/22/2021 08:15	12/22/2021 16:33	TJA
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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**	**98.7**		%	0.100	1	SM 2540G	12/22/2021 11:07	12/22/2021 17:12	TJA
							Certifications:	CTDOH		

Analytical Batch Summary

Batch ID: BL11978 **Preparation Method:** EPA 5030B **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-07	TB01_121521	12/16/21
BL11978-BLK1	Blank	12/13/21
BL11978-BS1	LCS	12/13/21
BL11978-BSD1	LCS Dup	12/13/21

Batch ID: BL12185 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-08	FB02_121521	12/15/21
BL12185-BLK1	Blank	12/15/21
BL12185-BS1	LCS	12/15/21
BL12185-DUP1	Duplicate	12/15/21
BL12185-MS1	Matrix Spike	12/15/21

Batch ID: BL12242 **Preparation Method:** Analysis Preparation **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-08	FB02_121521	12/16/21
BL12242-BLK1	Blank	12/16/21
BL12242-BS1	LCS	12/16/21
BL12242-DUP1	Duplicate	12/16/21
BL12242-MS1	Matrix Spike	12/16/21

Batch ID: BL12298 **Preparation Method:** EPA SW846-7470A **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-08	FB02_121521	12/16/21
BL12298-BLK1	Blank	12/16/21
BL12298-BS1	LCS	12/16/21
BL12298-BS2	LCS	12/16/21

Batch ID: BL12301 **Preparation Method:** EPA 8151A **Prepared By:** MC

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-08	FB02_121521	12/17/21
BL12301-BLK1	Blank	12/17/21
BL12301-BS1	LCS	12/17/21
BL12301-BSD1	LCS Dup	12/17/21

Batch ID: BL12336 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date

21L0910-06	SOFB02_121521	12/17/21
BL12336-BLK1	Blank	12/17/21
BL12336-BS1	LCS	12/17/21
BL12336-MS1	Matrix Spike	12/17/21
BL12336-MSD1	Matrix Spike Dup	12/17/21

Batch ID: BL12390 **Preparation Method:** EPA 5030B **Prepared By:** JTG

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-08	FB02_121521	12/17/21
BL12390-BLK1	Blank	12/17/21
BL12390-BS1	LCS	12/17/21
BL12390-BSD1	LCS Dup	12/17/21

Batch ID: BL12397 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-08	FB02_121521	12/18/21
21L0910-08	FB02_121521	12/18/21
BL12397-BLK2	Blank	12/18/21
BL12397-BS2	LCS	12/18/21
BL12397-BSD2	LCS Dup	12/18/21

Batch ID: BL12405 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-09	EP05_0-2	12/18/21
21L0910-11	EP02_0-2	12/18/21
21L0910-12	EP09_0-2	12/18/21
21L0910-13	SODUP01_121521	12/18/21
21L0910-14	SODUP02_121521	12/18/21
BL12405-BLK1	Blank	12/18/21
BL12405-DUP1	Duplicate	12/18/21
BL12405-MS1	Matrix Spike	12/18/21
BL12405-PS1	Post Spike	12/18/21
BL12405-SRM1	Reference	12/18/21

Batch ID: BL12461 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-08	FB02_121521	12/20/21
BL12461-BLK1	Blank	12/20/21
BL12461-BS1	LCS	12/20/21
BL12461-DUP1	Duplicate	12/20/21
BL12461-MS1	Matrix Spike	12/20/21

Batch ID: BL12477 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-01	EP02_5-7	12/20/21
21L0910-02	EP05_6-8	12/20/21
21L0910-03	EP09_2-3	12/20/21
21L0910-04	EP14_9-11	12/20/21
21L0910-09	EP05_0-2	12/20/21
21L0910-10	EP14_0-2	12/20/21
21L0910-11	EP02_0-2	12/20/21
21L0910-12	EP09_0-2	12/20/21
21L0910-13	SODUP01_121521	12/20/21
21L0910-14	SODUP02_121521	12/20/21
BL12477-BLK1	Blank	12/20/21
BL12477-BS1	LCS	12/20/21
BL12477-MS1	Matrix Spike	12/20/21
BL12477-MS2	Matrix Spike	12/20/21
BL12477-MSD1	Matrix Spike Dup	12/20/21
BL12477-MSD2	Matrix Spike Dup	12/20/21

Batch ID: BL12501 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-10	EP14_0-2	12/20/21
BL12501-BLK1	Blank	12/20/21
BL12501-DUP1	Duplicate	12/20/21
BL12501-MS1	Matrix Spike	12/20/21
BL12501-PS1	Post Spike	12/20/21
BL12501-SRM1	Reference	12/20/21

Batch ID: BL12532 **Preparation Method:** EPA 3510C **Prepared By:** FTR

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-08	FB02_121521	12/21/21
BL12532-BLK1	Blank	12/21/21
BL12532-BLK2	Blank	12/21/21
BL12532-BS1	LCS	12/21/21
BL12532-BS2	LCS	12/21/21
BL12532-BSD1	LCS Dup	12/21/21

Batch ID: BL12537 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-08	FB02_121521	12/21/21
BL12537-BLK1	Blank	12/21/21
BL12537-BS1	LCS	12/21/21
BL12537-MS1	Matrix Spike	12/21/21
BL12537-MSD1	Matrix Spike Dup	12/21/21

Batch ID: BL12564 **Preparation Method:** EPA SW846-3060 **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-09	EP05_0-2	12/21/21
21L0910-11	EP02_0-2	12/21/21
21L0910-12	EP09_0-2	12/21/21
21L0910-13	SODUP01_121521	12/21/21
21L0910-14	SODUP02_121521	12/21/21
BL12564-BLK1	Blank	12/21/21
BL12564-DUP1	Duplicate	12/21/21
BL12564-MS1	Matrix Spike	12/21/21
BL12564-SRM1	Reference	12/21/21

Batch ID: BL12570 **Preparation Method:** % Solids Prep **Prepared By:** VR

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-09	EP05_0-2	12/21/21
BL12570-DUP1	Duplicate	12/21/21

Batch ID: BL12626 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-10	EP14_0-2	12/22/21
BL12626-BLK1	Blank	12/22/21
BL12626-DUP1	Duplicate	12/22/21
BL12626-MS1	Matrix Spike	12/22/21
BL12626-SRM1	Reference	12/22/21

Batch ID: BL12628 **Preparation Method:** EPA 3550C **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-10	EP14_0-2	12/22/21
21L0910-10	EP14_0-2	12/22/21
21L0910-11	EP02_0-2	12/22/21
21L0910-11	EP02_0-2	12/22/21
21L0910-12	EP09_0-2	12/22/21
21L0910-12	EP09_0-2	12/22/21
21L0910-13	SODUP01_121521	12/22/21
21L0910-13	SODUP01_121521	12/22/21
21L0910-14	SODUP02_121521	12/22/21
21L0910-14	SODUP02_121521	12/22/21
BL12628-BLK1	Blank	12/22/21
BL12628-BLK2	Blank	12/22/21
BL12628-BS1	LCS	12/22/21
BL12628-BS2	LCS	12/22/21
BL12628-MS2	Matrix Spike	12/22/21
BL12628-MSD2	Matrix Spike Dup	12/22/21

Batch ID: BL12629 **Preparation Method:** EPA 3550C **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-09	EP05_0-2	12/22/21
21L0910-09	EP05_0-2	12/22/21
BL12629-BLK1	Blank	12/22/21
BL12629-BLK2	Blank	12/22/21
BL12629-BS1	LCS	12/22/21
BL12629-BS2	LCS	12/22/21
BL12629-MS2	Matrix Spike	12/22/21
BL12629-MSD2	Matrix Spike Dup	12/22/21

Batch ID: BL12630 **Preparation Method:** Analysis Preparation Soil **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-10	EP14_0-2	12/22/21
21L0910-11	EP02_0-2	12/22/21
21L0910-12	EP09_0-2	12/22/21
21L0910-13	SODUP01_121521	12/22/21
21L0910-14	SODUP02_121521	12/22/21
BL12630-BLK1	Blank	12/22/21
BL12630-DUP1	Duplicate	12/22/21
BL12630-MS1	Matrix Spike	12/22/21
BL12630-SRM1	Reference	12/22/21

Batch ID: BL12642 **Preparation Method:** EPA 3015A **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-08	FB02_121521	12/22/21
BL12642-BLK1	Blank	12/22/21
BL12642-BS1	LCS	12/22/21
BL12642-DUP1	Duplicate	12/22/21
BL12642-MS1	Matrix Spike	12/22/21
BL12642-PS1	Post Spike	12/22/21

Batch ID: BL12649 **Preparation Method:** % Solids Prep **Prepared By:** AD

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-01	EP02_5-7	12/22/21
21L0910-02	EP05_6-8	12/22/21
21L0910-03	EP09_2-3	12/22/21
21L0910-04	EP14_9-11	12/22/21
21L0910-05	EP05_2-3	12/22/21
21L0910-10	EP14_0-2	12/22/21
21L0910-11	EP02_0-2	12/22/21
21L0910-12	EP09_0-2	12/22/21
21L0910-13	SODUP01_121521	12/22/21
21L0910-14	SODUP02_121521	12/22/21
BL12649-DUP1	Duplicate	12/22/21

Batch ID: BL12651 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-09	EP05_0-2	12/22/21
21L0910-11	EP02_0-2	12/22/21
21L0910-12	EP09_0-2	12/22/21
21L0910-13	SODUP01_121521	12/22/21
21L0910-14	SODUP02_121521	12/22/21
BL12651-BLK1	Blank	12/22/21
BL12651-DUP1	Duplicate	12/22/21
BL12651-MS1	Matrix Spike	12/22/21
BL12651-SRM1	Reference	12/22/21

Batch ID: BL12652 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-10	EP14_0-2	12/22/21
BL12652-BLK1	Blank	12/22/21
BL12652-DUP1	Duplicate	12/22/21
BL12652-MS1	Matrix Spike	12/22/21
BL12652-SRM1	Reference	12/22/21

Batch ID: BL12661 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-14	SODUP02_121521	12/22/21
BL12661-BLK1	Blank	12/22/21
BL12661-BS1	LCS	12/22/21
BL12661-MS1	Matrix Spike	12/22/21
BL12661-MSD1	Matrix Spike Dup	12/22/21

Batch ID: BL12668 **Preparation Method:** Analysis Preparation Soil **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-09	EP05_0-2	12/22/21
BL12668-BLK1	Blank	12/22/21
BL12668-DUP1	Duplicate	12/22/21
BL12668-MS1	Matrix Spike	12/22/21
BL12668-SRM1	Reference	12/22/21

Batch ID: BL12688 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-05	EP05_2-3	12/21/21
21L0910-09	EP05_0-2	12/21/21
21L0910-10	EP14_0-2	12/21/21
21L0910-11	EP02_0-2	12/21/21
21L0910-12	EP09_0-2	12/21/21
21L0910-13	SODUP01_121521	12/21/21

21L0910-14	SODUP02_121521	12/21/21
BL12688-BLK1	Blank	12/21/21
BL12688-BLK2	Blank	12/21/21
BL12688-BLK3	Blank	12/21/21
BL12688-BLK4	Blank	12/21/21
BL12688-BS1	LCS	12/21/21
BL12688-BSD1	LCS Dup	12/21/21
BL12688-MS1	Matrix Spike	12/21/21
BL12688-MS2	Matrix Spike	12/21/21
BL12688-MSD1	Matrix Spike Dup	12/21/21
BL12688-MSD2	Matrix Spike Dup	12/21/21

Batch ID: BL12690 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-05RE1	EP05_2-3	12/22/21
BL12690-BLK1	Blank	12/22/21
BL12690-BLK2	Blank	12/22/21
BL12690-BLK3	Blank	12/22/21
BL12690-BS1	LCS	12/22/21
BL12690-BSD1	LCS Dup	12/22/21

Batch ID: BL12698 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-08	FB02_121521	12/22/21

Batch ID: BL12699 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-09	EP05_0-2	12/22/21
21L0910-10	EP14_0-2	12/22/21
21L0910-11	EP02_0-2	12/22/21
21L0910-12	EP09_0-2	12/22/21
21L0910-13	SODUP01_121521	12/22/21
21L0910-14	SODUP02_121521	12/22/21

Batch ID: BL12712 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-11	EP02_0-2	12/23/21
21L0910-12	EP09_0-2	12/23/21
21L0910-13	SODUP01_121521	12/23/21
21L0910-14	SODUP02_121521	12/23/21
BL12712-BLK1	Blank	12/23/21
BL12712-BS1	LCS	12/23/21
BL12712-MS1	Matrix Spike	12/23/21
BL12712-MSD1	Matrix Spike Dup	12/23/21

Batch ID: BL12713 **Preparation Method:** EPA 3546 SVOA **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-05	EP05_2-3	12/23/21
21L0910-05RE1	EP05_2-3	12/23/21
21L0910-10	EP14_0-2	12/23/21
21L0910-11	EP02_0-2	12/23/21
21L0910-11RE1	EP02_0-2	12/23/21
21L0910-12	EP09_0-2	12/23/21
21L0910-12RE1	EP09_0-2	12/23/21
21L0910-13	SODUP01_121521	12/23/21
21L0910-13RE1	SODUP01_121521	12/23/21
BL12713-BLK1	Blank	12/23/21
BL12713-BS1	LCS	12/23/21
BL12713-MS1	Matrix Spike	12/23/21
BL12713-MSD1	Matrix Spike Dup	12/23/21

Batch ID: BL12714 **Preparation Method:** EPA 3546 SVOA **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-09	EP05_0-2	12/23/21
21L0910-09RE1	EP05_0-2	12/23/21
21L0910-09RE2	EP05_0-2	12/23/21
BL12714-BLK1	Blank	12/23/21
BL12714-BS1	LCS	12/23/21
BL12714-MS1	Matrix Spike	12/23/21
BL12714-MSD1	Matrix Spike Dup	12/23/21

Batch ID: BL12785 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-09	EP05_0-2	12/27/21
21L0910-10	EP14_0-2	12/27/21
BL12785-BLK1	Blank	12/27/21
BL12785-BS1	LCS	12/27/21

Batch ID: BL12786 **Preparation Method:** EPA 3550C **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-01	EP02_5-7	12/27/21
21L0910-02	EP05_6-8	12/27/21
21L0910-03	EP09_2-3	12/27/21
21L0910-04	EP14_9-11	12/27/21
21L0910-09	EP05_0-2	12/27/21
21L0910-10	EP14_0-2	12/27/21
21L0910-11	EP02_0-2	12/27/21
21L0910-12	EP09_0-2	12/27/21
21L0910-13	SODUP01_121521	12/27/21

BL12786-BLK1	Blank	12/27/21
BL12786-BS1	LCS	12/27/21
BL12786-MS1	Matrix Spike	12/27/21
BL12786-MS2	Matrix Spike	12/27/21
BL12786-MSD1	Matrix Spike Dup	12/27/21
BL12786-MSD2	Matrix Spike Dup	12/27/21

Batch ID: BL12957 **Preparation Method:** EPA 3546 SVOA **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
21L0910-14	SODUP02_121521	12/29/21
21L0910-14RE1	SODUP02_121521	12/29/21
BL12957-BLK1	Blank	12/29/21
BL12957-BS1	LCS	12/29/21

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 BL11978 - EPA 5030B											
Blank (BL11978-BLK1) Blank									Prepared: 12/13/2021 Analyzed: 12/16/2021		
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	"								
1,3-Dichloropropane	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	0.500	"								
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	"								
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
Batch BL11978 - EPA 5030B											
Blank (BL11978-BLK1) Blank								Prepared: 12/13/2021 Analyzed: 12/16/2021			
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
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: SURR: 1,2-Dichloroethane-d4	*8.69*		*"*	*10.0*		*86.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.5*		*"*	*10.0*		*105*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*79-122*				
LCS (BL11978-BS1) LCS								Prepared: 12/13/2021 Analyzed: 12/16/2021			
1,1,1,2-Tetrachloroethane	9.43		ug/L	10.0		94.3	82-126				
1,1,1-Trichloroethane	8.98		"	10.0		89.8	78-136				
1,1,2,2-Tetrachloroethane	12.1		"	10.0		121	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.34		"	10.0		93.4	54-165				
1,1,2-Trichloroethane	9.21		"	10.0		92.1	82-123				
1,1-Dichloroethane	8.98		"	10.0		89.8	82-129				
1,1-Dichloroethylene	9.03		"	10.0		90.3	68-138				
1,2,3-Trichlorobenzene	8.99		"	10.0		89.9	76-136				
1,2,3-Trichloropropane	11.8		"	10.0		118	77-128				
1,2,4-Trichlorobenzene	8.94		"	10.0		89.4	76-137				
1,2,4-Trimethylbenzene	11.2		"	10.0		112	82-132				
1,2-Dibromo-3-chloropropane	9.82		"	10.0		98.2	45-147				
1,2-Dibromoethane	9.14		"	10.0		91.4	83-124				
1,2-Dichlorobenzene	11.0		"	10.0		110	79-123				
1,2-Dichloroethane	8.16		"	10.0		81.6	73-132				
1,2-Dichloropropane	9.95		"	10.0		99.5	78-126				
1,3,5-Trimethylbenzene	11.6		"	10.0		116	80-131				
1,3-Dichlorobenzene	10.4		"	10.0		104	86-122				
1,3-Dichloropropane	9.04		"	10.0		90.4	81-125				
1,4-Dichlorobenzene	10.8		"	10.0		108	85-124				
1,4-Dioxane	602		"	210		287	10-349				
2-Butanone	9.52		"	10.0		95.2	49-152				
2-Hexanone	8.97		"	10.0		89.7	51-146				
4-Methyl-2-pentanone	8.89		"	10.0		88.9	57-145				
Acetone	8.64		"	10.0		86.4	14-150				
Acrolein	30.8		"	10.0		308	10-153	High Bias			
Acrylonitrile	9.36		"	10.0		93.6	51-150				

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 BL11978 - EPA 5030B											
LCS (BL11978-BS1) LCS							Prepared: 12/13/2021 Analyzed: 12/16/2021				
Benzene	9.98		ug/L	10.0		99.8	85-126				
Bromochloromethane	8.82		"	10.0		88.2	77-128				
Bromodichloromethane	9.03		"	10.0		90.3	79-128				
Bromoform	8.62		"	10.0		86.2	78-133				
Bromomethane	4.30		"	10.0		43.0	43-168				
Carbon disulfide	9.01		"	10.0		90.1	68-146				
Carbon tetrachloride	9.14		"	10.0		91.4	77-141				
Chlorobenzene	9.85		"	10.0		98.5	88-120				
Chloroethane	10.5		"	10.0		105	65-136				
Chloroform	9.17		"	10.0		91.7	82-128				
Chloromethane	9.22		"	10.0		92.2	43-155				
cis-1,2-Dichloroethylene	9.11		"	10.0		91.1	83-129				
cis-1,3-Dichloropropylene	9.07		"	10.0		90.7	80-131				
Cyclohexane	6.55		"	10.0		65.5	63-149				
Dibromochloromethane	9.01		"	10.0		90.1	80-130				
Dibromomethane	8.93		"	10.0		89.3	72-134				
Dichlorodifluoromethane	11.3		"	10.0		113	44-144				
Hexachlorobutadiene	3.98		"	10.0		39.8	67-146	Low Bias			
Isopropylbenzene	12.2		"	10.0		122	76-140				
Methyl acetate	8.49		"	10.0		84.9	51-139				
Methyl tert-butyl ether (MTBE)	8.52		"	10.0		85.2	76-135				
Methylcyclohexane	9.25		"	10.0		92.5	72-143				
Methylene chloride	9.19		"	10.0		91.9	55-137				
n-Butylbenzene	8.56		"	10.0		85.6	79-132				
n-Propylbenzene	11.9		"	10.0		119	78-133				
o-Xylene	10.2		"	10.0		102	78-130				
p- & m- Xylenes	21.5		"	20.0		107	77-133				
p-Diethylbenzene	8.94		"	10.0		89.4	84-134				
p-Ethyltoluene	13.4		"	10.0		134	88-129	High Bias			
p-Isopropyltoluene	9.87		"	10.0		98.7	81-136				
sec-Butylbenzene	10.4		"	10.0		104	79-137				
Styrene	9.91		"	10.0		99.1	67-132				
tert-Butyl alcohol (TBA)	45.4		"	50.0		90.8	25-162				
tert-Butylbenzene	8.94		"	10.0		89.4	77-138				
Tetrachloroethylene	9.90		"	10.0		99.0	82-131				
Toluene	10.4		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	9.50		"	10.0		95.0	80-132				
trans-1,3-Dichloropropylene	8.69		"	10.0		86.9	78-131				
Trichloroethylene	9.74		"	10.0		97.4	82-128				
Trichlorofluoromethane	9.36		"	10.0		93.6	67-139				
Vinyl Chloride	11.2		"	10.0		112	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.46*		*"*	*10.0*		*84.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL11978 - EPA 5030B

LCS Dup (BL11978-BSD1) LCS Dup — Prepared: 12/13/2021 Analyzed: 12/16/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	8.99		ug/L	10.0		89.9	82-126		4.78	30	
1,1,1-Trichloroethane	8.52		"	10.0		85.2	78-136		5.26	30	
1,1,2,2-Tetrachloroethane	12.1		"	10.0		121	76-129		0.0828	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.72		"	10.0		87.2	54-165		6.87	30	
1,1,2-Trichloroethane	8.94		"	10.0		89.4	82-123		2.98	30	
1,1-Dichloroethane	8.66		"	10.0		86.6	82-129		3.63	30	
1,1-Dichloroethylene	8.61		"	10.0		86.1	68-138		4.76	30	
1,2,3-Trichlorobenzene	8.92		"	10.0		89.2	76-136		0.782	30	
1,2,3-Trichloropropane	11.6		"	10.0		116	77-128		1.54	30	
1,2,4-Trichlorobenzene	8.83		"	10.0		88.3	76-137		1.24	30	
1,2,4-Trimethylbenzene	11.1		"	10.0		111	82-132		1.08	30	
1,2-Dibromo-3-chloropropane	9.01		"	10.0		90.1	45-147		8.60	30	
1,2-Dibromoethane	8.82		"	10.0		88.2	83-124		3.56	30	
1,2-Dichlorobenzene	10.8		"	10.0		108	79-123		2.57	30	
1,2-Dichloroethane	8.03		"	10.0		80.3	73-132		1.61	30	
1,2-Dichloropropane	9.48		"	10.0		94.8	78-126		4.84	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		1.22	30	
1,3-Dichlorobenzene	10.3		"	10.0		103	86-122		1.16	30	
1,3-Dichloropropane	8.78		"	10.0		87.8	81-125		2.92	30	
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124		2.54	30	
1,4-Dioxane	585		"	210		278	10-349		2.97	30	
2-Butanone	9.55		"	10.0		95.5	49-152		0.315	30	
2-Hexanone	8.79		"	10.0		87.9	51-146		2.03	30	
4-Methyl-2-pentanone	8.61		"	10.0		86.1	57-145		3.20	30	
Acetone	8.43		"	10.0		84.3	14-150		2.46	30	
Acrolein	30.6		"	10.0		306	10-153	High Bias	0.782	30	
Acrylonitrile	9.30		"	10.0		93.0	51-150		0.643	30	
Benzene	9.55		"	10.0		95.5	85-126		4.40	30	
Bromochloromethane	8.68		"	10.0		86.8	77-128		1.60	30	
Bromodichloromethane	8.68		"	10.0		86.8	79-128		3.95	30	
Bromoform	8.30		"	10.0		83.0	78-133		3.78	30	
Bromomethane	4.22		"	10.0		42.2	43-168	Low Bias	1.88	30	
Carbon disulfide	8.64		"	10.0		86.4	68-146		4.19	30	
Carbon tetrachloride	8.69		"	10.0		86.9	77-141		5.05	30	
Chlorobenzene	9.35		"	10.0		93.5	88-120		5.21	30	
Chloroethane	9.97		"	10.0		99.7	65-136		4.89	30	
Chloroform	8.90		"	10.0		89.0	82-128		2.99	30	
Chloromethane	8.89		"	10.0		88.9	43-155		3.64	30	
cis-1,2-Dichloroethylene	8.85		"	10.0		88.5	83-129		2.90	30	
cis-1,3-Dichloropropylene	8.71		"	10.0		87.1	80-131		4.05	30	
Cyclohexane	6.23		"	10.0		62.3	63-149	Low Bias	5.01	30	
Dibromochloromethane	8.61		"	10.0		86.1	80-130		4.54	30	
Dibromomethane	8.50		"	10.0		85.0	72-134		4.93	30	
Dichlorodifluoromethane	10.8		"	10.0		108	44-144		4.45	30	
Hexachlorobutadiene	4.03		"	10.0		40.3	67-146	Low Bias	1.25	30	
Isopropylbenzene	12.0		"	10.0		120	76-140		2.07	30	
Methyl acetate	8.51		"	10.0		85.1	51-139		0.235	30	
Methyl tert-butyl ether (MTBE)	8.52		"	10.0		85.2	76-135		0.00	30	
Methylcyclohexane	8.59		"	10.0		85.9	72-143		7.40	30	
Methylene chloride	8.86		"	10.0		88.6	55-137		3.66	30	
n-Butylbenzene	8.85		"	10.0		88.5	79-132		3.33	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 BL11978 - EPA 5030B											
LCS Dup (BL11978-BSD1) LCS Dup								Prepared: 12/13/2021 Analyzed: 12/16/2021			
n-Propylbenzene	11.8		ug/L	10.0		118	78-133		1.10	30	
o-Xylene	9.75		"	10.0		97.5	78-130		4.12	30	
p- & m- Xylenes	20.4		"	20.0		102	77-133		4.97	30	
p-Diethylbenzene	9.20		"	10.0		92.0	84-134		2.87	30	
p-Ethyltoluene	13.2		"	10.0		132	88-129	High Bias	1.43	30	
p-Isopropyltoluene	9.96		"	10.0		99.6	81-136		0.908	30	
sec-Butylbenzene	10.6		"	10.0		106	79-137		1.33	30	
Styrene	9.53		"	10.0		95.3	67-132		3.91	30	
tert-Butyl alcohol (TBA)	44.7		"	50.0		89.4	25-162		1.55	30	
tert-Butylbenzene	8.88		"	10.0		88.8	77-138		0.673	30	
Tetrachloroethylene	9.14		"	10.0		91.4	82-131		7.98	30	
Toluene	9.78		"	10.0		97.8	80-127		5.86	30	
trans-1,2-Dichloroethylene	9.01		"	10.0		90.1	80-132		5.29	30	
trans-1,3-Dichloropropylene	8.43		"	10.0		84.3	78-131		3.04	30	
Trichloroethylene	9.10		"	10.0		91.0	82-128		6.79	30	
Trichlorofluoromethane	8.75		"	10.0		87.5	67-139		6.74	30	
Vinyl Chloride	10.5		"	10.0		105	58-145		6.27	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.66*		*"*	*10.0*		*86.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.0*		*"*	*10.0*		*110*	*79-122*				
Batch BL12390 - EPA 5030B											
Blank (BL12390-BLK1) Blank								Prepared & Analyzed: 12/17/2021			
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	"								
1,3-Dichloropropane	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	0.500	"								
Acrylonitrile	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
Batch BL12390 - EPA 5030B											
Blank (BL12390-BLK1) Blank								Prepared & Analyzed: 12/17/2021			
Benzene	ND	0.500	ug/L								
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	"								
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-Diethylbenzene	ND	0.500	"								
p-Ethyltoluene	ND	0.500	"								
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: SURR: 1,2-Dichloroethane-d4	*8.65*		*"*	*10.0*		*86.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.7*		*"*	*10.0*		*107*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12390 - EPA 5030B											
LCS (BL12390-BS1) LCS							Prepared & Analyzed: 12/17/2021				
1,1,1,2-Tetrachloroethane	9.41		ug/L	10.0		94.1	82-126				
1,1,1-Trichloroethane	8.63		"	10.0		86.3	78-136				
1,1,2,2-Tetrachloroethane	11.4		"	10.0		114	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.18		"	10.0		91.8	54-165				
1,1,2-Trichloroethane	9.29		"	10.0		92.9	82-123				
1,1-Dichloroethane	8.37		"	10.0		83.7	82-129				
1,1-Dichloroethylene	8.62		"	10.0		86.2	68-138				
1,2,3-Trichlorobenzene	8.19		"	10.0		81.9	76-136				
1,2,3-Trichloropropane	11.1		"	10.0		111	77-128				
1,2,4-Trichlorobenzene	8.23		"	10.0		82.3	76-137				
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132				
1,2-Dibromo-3-chloropropane	9.14		"	10.0		91.4	45-147				
1,2-Dibromoethane	9.20		"	10.0		92.0	83-124				
1,2-Dichlorobenzene	10.4		"	10.0		104	79-123				
1,2-Dichloroethane	7.65		"	10.0		76.5	73-132				
1,2-Dichloropropane	9.69		"	10.0		96.9	78-126				
1,3,5-Trimethylbenzene	10.2		"	10.0		102	80-131				
1,3-Dichlorobenzene	9.74		"	10.0		97.4	86-122				
1,3-Dichloropropane	9.02		"	10.0		90.2	81-125				
1,4-Dichlorobenzene	9.99		"	10.0		99.9	85-124				
1,4-Dioxane	606		"	210		288	10-349				
2-Butanone	8.31		"	10.0		83.1	49-152				
2-Hexanone	8.54		"	10.0		85.4	51-146				
4-Methyl-2-pentanone	8.50		"	10.0		85.0	57-145				
Acetone	8.32		"	10.0		83.2	14-150				
Acrolein	26.0		"	10.0		260	10-153	High Bias			
Acrylonitrile	8.58		"	10.0		85.8	51-150				
Benzene	9.29		"	10.0		92.9	85-126				
Bromochloromethane	8.18		"	10.0		81.8	77-128				
Bromodichloromethane	8.98		"	10.0		89.8	79-128				
Bromoform	8.55		"	10.0		85.5	78-133				
Bromomethane	1.77		"	10.0		17.7	43-168	Low Bias			
Carbon disulfide	8.29		"	10.0		82.9	68-146				
Carbon tetrachloride	8.86		"	10.0		88.6	77-141				
Chlorobenzene	9.74		"	10.0		97.4	88-120				
Chloroethane	9.75		"	10.0		97.5	65-136				
Chloroform	8.65		"	10.0		86.5	82-128				
Chloromethane	7.37		"	10.0		73.7	43-155				
cis-1,2-Dichloroethylene	8.34		"	10.0		83.4	83-129				
cis-1,3-Dichloropropylene	8.79		"	10.0		87.9	80-131				
Cyclohexane	6.06		"	10.0		60.6	63-149	Low Bias			
Dibromochloromethane	8.94		"	10.0		89.4	80-130				
Dibromomethane	8.84		"	10.0		88.4	72-134				
Dichlorodifluoromethane	10.3		"	10.0		103	44-144				
Hexachlorobutadiene	3.50		"	10.0		35.0	67-146	Low Bias			
Isopropylbenzene	10.8		"	10.0		108	76-140				
Methyl acetate	6.90		"	10.0		69.0	51-139				
Methyl tert-butyl ether (MTBE)	7.94		"	10.0		79.4	76-135				
Methylcyclohexane	8.69		"	10.0		86.9	72-143				
Methylene chloride	8.29		"	10.0		82.9	55-137				
n-Butylbenzene	8.14		"	10.0		81.4	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 BL12390 - EPA 5030B											
LCS (BL12390-BS1) LCS							Prepared & Analyzed: 12/17/2021				
n-Propylbenzene	10.2		ug/L	10.0		102	78-133				
o-Xylene	9.91		"	10.0		99.1	78-130				
p- & m- Xylenes	20.7		"	20.0		104	77-133				
p-Diethylbenzene	7.24		"	10.0		72.4	84-134	Low Bias			
p-Ethyltoluene	11.1		"	10.0		111	88-129				
p-Isopropyltoluene	8.21		"	10.0		82.1	81-136				
sec-Butylbenzene	8.47		"	10.0		84.7	79-137				
Styrene	9.83		"	10.0		98.3	67-132				
tert-Butyl alcohol (TBA)	41.4		"	50.0		82.7	25-162				
tert-Butylbenzene	7.58		"	10.0		75.8	77-138	Low Bias			
Tetrachloroethylene	9.74		"	10.0		97.4	82-131				
Toluene	10.2		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	8.90		"	10.0		89.0	80-132				
trans-1,3-Dichloropropylene	8.55		"	10.0		85.5	78-131				
Trichloroethylene	9.73		"	10.0		97.3	82-128				
Trichlorofluoromethane	9.31		"	10.0		93.1	67-139				
Vinyl Chloride	10.1		"	10.0		101	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.43*		*"*	*10.0*		*84.3*	*69-130*				
Surrogate: SURR: Toluene-d8	*11.0*		*"*	*10.0*		*110*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				
LCS Dup (BL12390-BSD1) LCS Dup							Prepared & Analyzed: 12/17/2021				
1,1,1,2-Tetrachloroethane	9.03		ug/L	10.0		90.3	82-126		4.12	30	
1,1,1-Trichloroethane	8.02		"	10.0		80.2	78-136		7.33	30	
1,1,2,2-Tetrachloroethane	11.3		"	10.0		113	76-129		0.880	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.34		"	10.0		83.4	54-165		9.59	30	
1,1,2-Trichloroethane	8.75		"	10.0		87.5	82-123		5.99	30	
1,1-Dichloroethane	8.38		"	10.0		83.8	82-129		0.119	30	
1,1-Dichloroethylene	8.15		"	10.0		81.5	68-138		5.61	30	
1,2,3-Trichlorobenzene	8.60		"	10.0		86.0	76-136		4.88	30	
1,2,3-Trichloropropane	11.1		"	10.0		111	77-128		0.00	30	
1,2,4-Trichlorobenzene	8.44		"	10.0		84.4	76-137		2.52	30	
1,2,4-Trimethylbenzene	10.1		"	10.0		101	82-132		0.594	30	
1,2-Dibromo-3-chloropropane	8.60		"	10.0		86.0	45-147		6.09	30	
1,2-Dibromoethane	8.65		"	10.0		86.5	83-124		6.16	30	
1,2-Dichlorobenzene	10.3		"	10.0		103	79-123		0.774	30	
1,2-Dichloroethane	7.78		"	10.0		77.8	73-132		1.69	30	
1,2-Dichloropropane	9.29		"	10.0		92.9	78-126		4.21	30	
1,3,5-Trimethylbenzene	10.3		"	10.0		103	80-131		1.08	30	
1,3-Dichlorobenzene	9.54		"	10.0		95.4	86-122		2.07	30	
1,3-Dichloropropane	8.58		"	10.0		85.8	81-125		5.00	30	
1,4-Dichlorobenzene	9.78		"	10.0		97.8	85-124		2.12	30	
1,4-Dioxane	584		"	210		278	10-349		3.61	30	
2-Butanone	9.13		"	10.0		91.3	49-152		9.40	30	
2-Hexanone	8.45		"	10.0		84.5	51-146		1.06	30	
4-Methyl-2-pentanone	8.44		"	10.0		84.4	57-145		0.708	30	
Acetone	7.91		"	10.0		79.1	14-150		5.05	30	
Acrolein	28.3		"	10.0		283	10-153	High Bias	8.28	30	
Acrylonitrile	8.77		"	10.0		87.7	51-150		2.19	30	
Benzene	9.34		"	10.0		93.4	85-126		0.537	30	
Bromochloromethane	7.96		"	10.0		79.6	77-128		2.73	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12390 - EPA 5030B											
LCS Dup (BL12390-BSD1) LCS Dup							Prepared & Analyzed: 12/17/2021				
Bromodichloromethane	8.58		ug/L	10.0		85.8	79-128		4.56	30	
Bromoform	8.27		"	10.0		82.7	78-133		3.33	30	
Bromomethane	1.73		"	10.0		17.3	43-168	Low Bias	2.29	30	
Carbon disulfide	7.98		"	10.0		79.8	68-146		3.81	30	
Carbon tetrachloride	8.20		"	10.0		82.0	77-141		7.74	30	
Chlorobenzene	9.37		"	10.0		93.7	88-120		3.87	30	
Chloroethane	9.26		"	10.0		92.6	65-136		5.16	30	
Chloroform	8.36		"	10.0		83.6	82-128		3.41	30	
Chloromethane	6.42		"	10.0		64.2	43-155		13.8	30	
cis-1,2-Dichloroethylene	8.50		"	10.0		85.0	83-129		1.90	30	
cis-1,3-Dichloropropylene	8.58		"	10.0		85.8	80-131		2.42	30	
Cyclohexane	5.70		"	10.0		57.0	63-149	Low Bias	6.12	30	
Dibromochloromethane	8.44		"	10.0		84.4	80-130		5.75	30	
Dibromomethane	8.21		"	10.0		82.1	72-134		7.39	30	
Dichlorodifluoromethane	7.20		"	10.0		72.0	44-144		35.1	30	Non-dir.
Hexachlorobutadiene	3.50		"	10.0		35.0	67-146	Low Bias	0.00	30	
Isopropylbenzene	11.6		"	10.0		116	76-140		7.50	30	
Methyl acetate	7.51		"	10.0		75.1	51-139		8.47	30	
Methyl tert-butyl ether (MTBE)	7.99		"	10.0		79.9	76-135		0.628	30	
Methylcyclohexane	8.08		"	10.0		80.8	72-143		7.27	30	
Methylene chloride	8.38		"	10.0		83.8	55-137		1.08	30	
n-Butylbenzene	7.57		"	10.0		75.7	79-132	Low Bias	7.26	30	
n-Propylbenzene	10.5		"	10.0		105	78-133		2.70	30	
o-Xylene	9.69		"	10.0		96.9	78-130		2.24	30	
p- & m- Xylenes	20.4		"	20.0		102	77-133		1.66	30	
p-Diethylbenzene	7.62		"	10.0		76.2	84-134	Low Bias	5.11	30	
p-Ethyltoluene	12.0		"	10.0		120	88-129		7.63	30	
p-Isopropyltoluene	8.75		"	10.0		87.5	81-136		6.37	30	
sec-Butylbenzene	9.16		"	10.0		91.6	79-137		7.83	30	
Styrene	9.20		"	10.0		92.0	67-132		6.62	30	
tert-Butyl alcohol (TBA)	43.4		"	50.0		86.7	25-162		4.74	30	
tert-Butylbenzene	7.97		"	10.0		79.7	77-138		5.02	30	
Tetrachloroethylene	9.25		"	10.0		92.5	82-131		5.16	30	
Toluene	9.79		"	10.0		97.9	80-127		4.10	30	
trans-1,2-Dichloroethylene	8.78		"	10.0		87.8	80-132		1.36	30	
trans-1,3-Dichloropropylene	8.30		"	10.0		83.0	78-131		2.97	30	
Trichloroethylene	9.15		"	10.0		91.5	82-128		6.14	30	
Trichlorofluoromethane	8.35		"	10.0		83.5	67-139		10.9	30	
Vinyl Chloride	9.00		"	10.0		90.0	58-145		11.8	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.57*		*"*	*10.0*		*85.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.6*		*"*	*10.0*		*106*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12688 - EPA 5035A											
Blank (BL12688-BLK1) Blank									Prepared & Analyzed: 12/21/2021		
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	0.0034	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
Batch BL12688 - EPA 5035A											
Blank (BL12688-BLK1) Blank							Prepared & Analyzed: 12/21/2021				
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	*52.5*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.0*		*"*	*50.0*		*108*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.0*		*"*	*50.0*		*102*	*76-130*				
Blank (BL12688-BLK2) Blank							Prepared: 12/21/2021 Analyzed: 12/22/2021				
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	"								

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 BL12688 - EPA 5035A											
Blank (BL12688-BLK2) Blank									Prepared: 12/21/2021 Analyzed: 12/22/2021		
Bromomethane	0.0039	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.4*		*ug/L*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.3*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: 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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12688 - EPA 5035A											
Blank (BL12688-BLK3) hb-21L0910									Prepared: 12/21/2021 Analyzed: 12/22/2021		
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
Batch BL12688 - EPA 5035A											
Blank (BL12688-BLK3) hb-21L0910									Prepared: 12/21/2021 Analyzed: 12/22/2021		
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	*53.1*		*ug/L*	*50.0*		*106*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.5*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.9*		*"*	*50.0*		*102*	*76-130*				
Blank (BL12688-BLK4) HB-21L0966									Prepared: 12/21/2021 Analyzed: 12/22/2021		
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	"								

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 BL12688 - EPA 5035A											
Blank (BL12688-BLK4) HB-21L0966									Prepared: 12/21/2021 Analyzed: 12/22/2021		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.3*		*ug/L*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.3*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.2*		*"*	*50.0*		*104*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12688 - EPA 5035A											
LCS (BL12688-BS1) LCS							Prepared & Analyzed: 12/21/2021				
1,1,1,2-Tetrachloroethane	55.0		ug/L	50.0		110	75-129				
1,1,1-Trichloroethane	43.8		"	50.0		87.6	71-137				
1,1,2,2-Tetrachloroethane	58.3		"	50.0		117	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.8		"	50.0		106	58-146				
1,1,2-Trichloroethane	53.4		"	50.0		107	83-123				
1,1-Dichloroethane	42.8		"	50.0		85.6	75-130				
1,1-Dichloroethylene	42.7		"	50.0		85.4	64-137				
1,2,3-Trichlorobenzene	54.1		"	50.0		108	81-140				
1,2,3-Trichloropropane	58.3		"	50.0		117	81-126				
1,2,4-Trichlorobenzene	52.4		"	50.0		105	80-141				
1,2,4-Trimethylbenzene	54.9		"	50.0		110	84-125				
1,2-Dibromo-3-chloropropane	59.9		"	50.0		120	74-142				
1,2-Dibromoethane	53.8		"	50.0		108	86-123				
1,2-Dichlorobenzene	53.6		"	50.0		107	85-122				
1,2-Dichloroethane	46.8		"	50.0		93.6	71-133				
1,2-Dichloropropane	53.5		"	50.0		107	81-122				
1,3,5-Trimethylbenzene	54.7		"	50.0		109	82-126				
1,3-Dichlorobenzene	52.5		"	50.0		105	84-124				
1,4-Dichlorobenzene	51.7		"	50.0		103	84-124				
1,4-Dioxane	2130		"	1050		203	10-228				
2-Butanone	47.0		"	50.0		94.1	58-147				
2-Hexanone	57.4		"	50.0		115	70-139				
4-Methyl-2-pentanone	57.6		"	50.0		115	72-132				
Acetone	40.1		"	50.0		80.2	36-155				
Acrolein	92.2		"	50.0		184	10-238				
Acrylonitrile	46.5		"	50.0		93.1	66-141				
Benzene	43.1		"	50.0		86.2	77-127				
Bromochloromethane	46.0		"	50.0		92.1	74-129				
Bromodichloromethane	56.0		"	50.0		112	81-124				
Bromoform	50.0		"	50.0		100	80-136				
Bromomethane	49.8		"	50.0		99.6	32-177				
Carbon disulfide	43.8		"	50.0		87.6	10-136				
Carbon tetrachloride	45.6		"	50.0		91.2	66-143				
Chlorobenzene	50.8		"	50.0		102	86-120				
Chloroethane	50.2		"	50.0		100	51-142				
Chloroform	45.0		"	50.0		90.0	76-131				
Chloromethane	37.5		"	50.0		75.0	49-132				
cis-1,2-Dichloroethylene	43.1		"	50.0		86.2	74-132				
cis-1,3-Dichloropropylene	48.0		"	50.0		95.9	81-129				
Cyclohexane	48.6		"	50.0		97.2	70-130				
Dibromochloromethane	49.5		"	50.0		99.1	10-200				
Dibromomethane	53.5		"	50.0		107	83-124				
Dichlorodifluoromethane	31.3		"	50.0		62.5	28-158				
Ethyl Benzene	51.8		"	50.0		104	84-125				
Hexachlorobutadiene	50.5		"	50.0		101	83-133				
Isopropylbenzene	52.9		"	50.0		106	81-127				
Methyl acetate	46.7		"	50.0		93.5	41-143				
Methyl tert-butyl ether (MTBE)	46.2		"	50.0		92.4	74-131				
Methylcyclohexane	55.4		"	50.0		111	70-130				
Methylene chloride	45.8		"	50.0		91.5	57-141				
n-Butylbenzene	52.1		"	50.0		104	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 BL12688 - EPA 5035A											
LCS (BL12688-BS1) LCS							Prepared & Analyzed: 12/21/2021				
n-Propylbenzene	52.4		ug/L	50.0		105	74-136				
o-Xylene	52.1		"	50.0		104	83-123				
p- & m- Xylenes	103		"	100		103	82-128				
p-Isopropyltoluene	54.1		"	50.0		108	85-125				
sec-Butylbenzene	55.8		"	50.0		112	83-125				
Styrene	53.5		"	50.0		107	86-126				
tert-Butyl alcohol (TBA)	243		"	250		97.3	70-130				
tert-Butylbenzene	52.3		"	50.0		105	80-127				
Tetrachloroethylene	44.6		"	50.0		89.3	80-129				
Toluene	50.4		"	50.0		101	85-121				
trans-1,2-Dichloroethylene	44.9		"	50.0		89.8	72-132				
trans-1,3-Dichloropropylene	48.2		"	50.0		96.3	78-132				
Trichloroethylene	50.6		"	50.0		101	84-123				
Trichlorofluoromethane	49.3		"	50.0		98.7	62-140				
Vinyl Chloride	42.6		"	50.0		85.2	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.4*		*"*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.1*		*"*	*50.0*		*108*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.6*		*"*	*50.0*		*103*	*76-130*				
LCS Dup (BL12688-BSD1) LCS Dup							Prepared & Analyzed: 12/21/2021				
1,1,1,2-Tetrachloroethane	60.2		ug/L	50.0		120	75-129		8.97	30	
1,1,1-Trichloroethane	48.6		"	50.0		97.1	71-137		10.3	30	
1,1,2,2-Tetrachloroethane	60.6		"	50.0		121	79-129		3.80	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	59.1		"	50.0		118	58-146		11.1	30	
1,1,2-Trichloroethane	56.9		"	50.0		114	83-123		6.28	30	
1,1-Dichloroethane	46.9		"	50.0		93.8	75-130		9.19	30	
1,1-Dichloroethylene	46.9		"	50.0		93.8	64-137		9.31	30	
1,2,3-Trichlorobenzene	58.7		"	50.0		117	81-140		8.03	30	
1,2,3-Trichloropropane	61.6		"	50.0		123	81-126		5.47	30	
1,2,4-Trichlorobenzene	57.6		"	50.0		115	80-141		9.43	30	
1,2,4-Trimethylbenzene	58.9		"	50.0		118	84-125		7.02	30	
1,2-Dibromo-3-chloropropane	63.6		"	50.0		127	74-142		6.03	30	
1,2-Dibromoethane	58.1		"	50.0		116	86-123		7.60	30	
1,2-Dichlorobenzene	57.3		"	50.0		115	85-122		6.64	30	
1,2-Dichloroethane	50.3		"	50.0		101	71-133		7.21	30	
1,2-Dichloropropane	56.2		"	50.0		112	81-122		4.89	30	
1,3,5-Trimethylbenzene	58.4		"	50.0		117	82-126		6.42	30	
1,3-Dichlorobenzene	56.8		"	50.0		114	84-124		7.70	30	
1,4-Dichlorobenzene	55.3		"	50.0		111	84-124		6.71	30	
1,4-Dioxane	2210		"	1050		211	10-228		3.62	30	
2-Butanone	46.0		"	50.0		92.0	58-147		2.24	30	
2-Hexanone	60.7		"	50.0		121	70-139		5.50	30	
4-Methyl-2-pentanone	60.9		"	50.0		122	72-132		5.65	30	
Acetone	43.8		"	50.0		87.6	36-155		8.79	30	
Acrolein	98.3		"	50.0		197	10-238		6.44	30	
Acrylonitrile	48.9		"	50.0		97.7	66-141		4.91	30	
Benzene	47.5		"	50.0		94.9	77-127		9.67	30	
Bromochloromethane	49.0		"	50.0		98.0	74-129		6.23	30	
Bromodichloromethane	59.9		"	50.0		120	81-124		6.70	30	
Bromoform	53.0		"	50.0		106	80-136		5.88	30	
Bromomethane	55.5		"	50.0		111	32-177		10.8	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 BL12688 - EPA 5035A											
LCS Dup (BL12688-BSD1) LCS Dup							Prepared & Analyzed: 12/21/2021				
Carbon disulfide	49.3		ug/L	50.0		98.6	10-136		11.8	30	
Carbon tetrachloride	51.1		"	50.0		102	66-143		11.5	30	
Chlorobenzene	54.8		"	50.0		110	86-120		7.67	30	
Chloroethane	54.5		"	50.0		109	51-142		8.25	30	
Chloroform	48.9		"	50.0		97.7	76-131		8.27	30	
Chloromethane	40.3		"	50.0		80.5	49-132		7.10	30	
cis-1,2-Dichloroethylene	47.6		"	50.0		95.2	74-132		9.99	30	
cis-1,3-Dichloropropylene	50.6		"	50.0		101	81-129		5.42	30	
Cyclohexane	52.5		"	50.0		105	70-130		7.79	30	
Dibromochloromethane	53.2		"	50.0		106	10-200		7.16	30	
Dibromomethane	56.7		"	50.0		113	83-124		5.92	30	
Dichlorodifluoromethane	33.6		"	50.0		67.2	28-158		7.24	30	
Ethyl Benzene	56.8		"	50.0		114	84-125		9.28	30	
Hexachlorobutadiene	57.4		"	50.0		115	83-133		12.8	30	
Isopropylbenzene	57.9		"	50.0		116	81-127		8.92	30	
Methyl acetate	49.4		"	50.0		98.9	41-143		5.64	30	
Methyl tert-butyl ether (MTBE)	50.0		"	50.0		99.9	74-131		7.86	30	
Methylcyclohexane	60.2		"	50.0		120	70-130		8.27	30	
Methylene chloride	48.6		"	50.0		97.2	57-141		6.06	30	
n-Butylbenzene	58.4		"	50.0		117	80-130		11.5	30	
n-Propylbenzene	56.9		"	50.0		114	74-136		8.24	30	
o-Xylene	56.9		"	50.0		114	83-123		8.81	30	
p- & m- Xylenes	113		"	100		113	82-128		8.80	30	
p-Isopropyltoluene	59.1		"	50.0		118	85-125		8.78	30	
sec-Butylbenzene	60.9		"	50.0		122	83-125		8.84	30	
Styrene	57.5		"	50.0		115	86-126		7.26	30	
tert-Butyl alcohol (TBA)	263		"	250		105	70-130		7.84	30	
tert-Butylbenzene	57.8		"	50.0		116	80-127		10.0	30	
Tetrachloroethylene	49.5		"	50.0		98.9	80-129		10.3	30	
Toluene	55.1		"	50.0		110	85-121		9.01	30	
trans-1,2-Dichloroethylene	48.7		"	50.0		97.4	72-132		8.05	30	
trans-1,3-Dichloropropylene	51.2		"	50.0		102	78-132		6.04	30	
Trichloroethylene	54.4		"	50.0		109	84-123		7.28	30	
Trichlorofluoromethane	54.2		"	50.0		108	62-140		9.48	30	
Vinyl Chloride	45.9		"	50.0		91.9	52-130		7.52	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.6*		*"*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.1*		*"*	*50.0*		*108*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.7*		*"*	*50.0*		*101*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12688 - EPA 5035A

Matrix Spike (BL12688-MS1) Matrix Spike *Source sample: 21L0910-09 (EP05_0-2) Prepared: 12/21/2021 Analyzed: 12/22/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	43.2		ug/L	50.0	0.00	86.3	15-161				
1,1,1-Trichloroethane	37.6		"	50.0	0.00	75.2	42-145				
1,1,2,2-Tetrachloroethane	42.6		"	50.0	0.00	85.2	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42.8		"	50.0	0.00	85.6	11-160				
1,1,2-Trichloroethane	46.2		"	50.0	0.00	92.5	44-145				
1,1-Dichloroethane	37.5		"	50.0	0.00	75.1	46-142				
1,1-Dichloroethylene	36.3		"	50.0	0.00	72.5	30-153				
1,2,3-Trichlorobenzene	22.1		"	50.0	0.00	44.3	10-157				
1,2,3-Trichloropropane	44.8		"	50.0	0.00	89.6	38-155				
1,2,4-Trichlorobenzene	21.0		"	50.0	0.00	41.9	10-151				
1,2,4-Trimethylbenzene	34.6		"	50.0	0.00	69.3	10-170				
1,2-Dibromo-3-chloropropane	39.4		"	50.0	0.00	78.9	36-138				
1,2-Dibromoethane	42.3		"	50.0	0.00	84.5	40-142				
1,2-Dichlorobenzene	31.2		"	50.0	0.00	62.3	10-147				
1,2-Dichloroethane	39.3		"	50.0	0.00	78.5	48-133				
1,2-Dichloropropane	46.6		"	50.0	0.00	93.2	47-141				
1,3,5-Trimethylbenzene	35.3		"	50.0	0.00	70.6	10-150				
1,3-Dichlorobenzene	28.8		"	50.0	0.00	57.7	10-144				
1,4-Dichlorobenzene	28.0		"	50.0	0.00	56.1	10-160				
1,4-Dioxane	1740		"	1050	0.00	165	10-191				
2-Butanone	29.8		"	50.0	0.00	59.5	10-189				
2-Hexanone	44.1		"	50.0	0.00	88.2	10-181				
4-Methyl-2-pentanone	48.3		"	50.0	0.00	96.5	10-166				
Acetone	35.5		"	50.0	0.00	71.0	10-196				
Acrolein	30.2		"	50.0	0.00	60.4	10-192				
Acrylonitrile	35.5		"	50.0	0.00	70.9	13-161				
Benzene	36.7		"	50.0	0.00	73.4	43-139				
Bromochloromethane	37.8		"	50.0	0.00	75.6	38-145				
Bromodichloromethane	46.7		"	50.0	0.00	93.3	38-147				
Bromoform	36.4		"	50.0	0.00	72.8	29-156				
Bromomethane	32.9		"	50.0	0.00	65.9	10-166				
Carbon disulfide	31.2		"	50.0	0.00	62.5	10-131				
Carbon tetrachloride	37.2		"	50.0	0.00	74.5	35-145				
Chlorobenzene	36.2		"	50.0	0.00	72.4	21-154				
Chloroethane	43.8		"	50.0	0.00	87.6	15-160				
Chloroform	38.5		"	50.0	0.00	77.0	47-142				
Chloromethane	33.2		"	50.0	0.00	66.5	10-159				
cis-1,2-Dichloroethylene	35.7		"	50.0	0.00	71.4	42-144				
cis-1,3-Dichloropropylene	36.0		"	50.0	0.00	72.0	18-159				
Cyclohexane	38.0		"	50.0	0.00	76.1	70-130				
Dibromochloromethane	39.3		"	50.0	0.00	78.7	10-179				
Dibromomethane	42.6		"	50.0	0.00	85.2	47-143				
Dichlorodifluoromethane	25.3		"	50.0	0.00	50.6	10-145				
Ethyl Benzene	38.0		"	50.0	0.00	76.1	11-158				
Hexachlorobutadiene	20.4		"	50.0	0.00	40.8	10-158				
Isopropylbenzene	37.8		"	50.0	0.00	75.5	10-162				
Methyl acetate	36.8		"	50.0	0.00	73.7	10-149				
Methyl tert-butyl ether (MTBE)	43.2		"	50.0	0.00	86.4	42-152				
Methylcyclohexane	37.8		"	50.0	0.00	75.7	70-130				
Methylene chloride	47.8		"	50.0	0.00	95.5	28-151				
n-Butylbenzene	27.8		"	50.0	0.00	55.6	10-162				

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 BL12688 - EPA 5035A											
Matrix Spike (BL12688-MS1) Matrix Spike	*Source sample: 21L0910-09 (EP05_0-2)							Prepared: 12/21/2021 Analyzed: 12/22/2021			
n-Propylbenzene	33.8		ug/L	50.0	0.00	67.7	10-155				
o-Xylene	38.8		"	50.0	0.00	77.5	10-158				
p- & m- Xylenes	73.4		"	100	0.00	73.4	10-156				
p-Isopropyltoluene	31.9		"	50.0	0.00	63.8	10-147				
sec-Butylbenzene	35.0		"	50.0	0.00	70.0	10-157				
Styrene	35.7		"	50.0	0.00	71.4	13-171				
tert-Butyl alcohol (TBA)	186		"	250	0.00	74.6	34-179				
tert-Butylbenzene	35.8		"	50.0	0.00	71.6	10-160				
Tetrachloroethylene	32.1		"	50.0	0.00	64.1	30-167				
Toluene	39.8		"	50.0	0.00	79.5	21-160				
trans-1,2-Dichloroethylene	34.4		"	50.0	0.00	68.8	29-153				
trans-1,3-Dichloropropylene	32.3		"	50.0	0.00	64.6	18-155				
Trichloroethylene	40.4		"	50.0	0.00	80.8	24-169				
Trichlorofluoromethane	42.5		"	50.0	0.00	85.0	35-142				
Vinyl Chloride	37.4		"	50.0	0.00	74.7	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.4*		*"*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.1*		*"*	*50.0*		*108*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.6*		*"*	*50.0*		*105*	*76-130*				
Matrix Spike (BL12688-MS2) Matrix Spike	*Source sample: 21L0910-10 (EP14_0-2)							Prepared: 12/21/2021 Analyzed: 12/22/2021			
1,1,1,2-Tetrachloroethane	33.5		ug/L	50.0	0.00	67.0	15-161				
1,1,1-Trichloroethane	31.7		"	50.0	0.00	63.4	42-145				
1,1,2,2-Tetrachloroethane	33.3		"	50.0	0.00	66.6	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	36.4		"	50.0	0.00	72.8	11-160				
1,1,2-Trichloroethane	34.6		"	50.0	0.00	69.3	44-145				
1,1-Dichloroethane	31.1		"	50.0	0.00	62.3	46-142				
1,1-Dichloroethylene	28.6		"	50.0	0.00	57.2	30-153				
1,2,3-Trichlorobenzene	13.0		"	50.0	0.00	26.1	10-157				
1,2,3-Trichloropropane	35.4		"	50.0	0.00	70.8	38-155				
1,2,4-Trichlorobenzene	12.4		"	50.0	0.00	24.8	10-151				
1,2,4-Trimethylbenzene	25.5		"	50.0	0.00	51.0	10-170				
1,2-Dibromo-3-chloropropane	28.3		"	50.0	0.00	56.5	36-138				
1,2-Dibromoethane	27.5		"	50.0	0.00	55.0	40-142				
1,2-Dichlorobenzene	18.2		"	50.0	0.00	36.4	10-147				
1,2-Dichloroethane	29.2		"	50.0	0.00	58.4	48-133				
1,2-Dichloropropane	37.3		"	50.0	0.00	74.6	47-141				
1,3,5-Trimethylbenzene	27.1		"	50.0	0.00	54.2	10-150				
1,3-Dichlorobenzene	18.2		"	50.0	0.00	36.3	10-144				
1,4-Dichlorobenzene	16.8		"	50.0	0.00	33.6	10-160				
1,4-Dioxane	1350		"	1050	0.00	129	10-191				
2-Butanone	29.4		"	50.0	0.00	58.7	10-189				
2-Hexanone	33.9		"	50.0	0.00	67.8	10-181				
4-Methyl-2-pentanone	39.7		"	50.0	0.00	79.4	10-166				
Acetone	34.5		"	50.0	0.00	69.0	10-196				
Acrolein	17.6		"	50.0	0.00	35.1	10-192				
Acrylonitrile	27.4		"	50.0	0.00	54.8	13-161				
Benzene	31.2		"	50.0	0.00	62.4	43-139				
Bromochloromethane	27.4		"	50.0	0.00	54.8	38-145				
Bromodichloromethane	35.6		"	50.0	0.00	71.3	38-147				
Bromoform	24.3		"	50.0	0.00	48.6	29-156				
Bromomethane	27.8		"	50.0	0.00	55.6	10-166				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12688 - EPA 5035A

Matrix Spike (BL12688-MS2) Matrix Spike *Source sample: 21L0910-10 (EP14_0-2) Prepared: 12/21/2021 Analyzed: 12/22/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Carbon disulfide	19.6		ug/L	50.0	0.00	39.1	10-131				
Carbon tetrachloride	31.4		"	50.0	0.00	62.8	35-145				
Chlorobenzene	25.1		"	50.0	0.00	50.3	21-154				
Chloroethane	36.1		"	50.0	0.00	72.2	15-160				
Chloroform	30.7		"	50.0	0.00	61.3	47-142				
Chloromethane	26.9		"	50.0	0.00	53.7	10-159				
cis-1,2-Dichloroethylene	26.0		"	50.0	0.00	52.1	42-144				
cis-1,3-Dichloropropylene	23.4		"	50.0	0.00	46.9	18-159				
Cyclohexane	33.1		"	50.0	0.00	66.2	70-130	Low Bias			
Dibromochloromethane	28.2		"	50.0	0.00	56.5	10-179				
Dibromomethane	28.4		"	50.0	0.00	56.9	47-143				
Dichlorodifluoromethane	22.2		"	50.0	0.00	44.3	10-145				
Ethyl Benzene	28.8		"	50.0	0.00	57.6	11-158				
Hexachlorobutadiene	14.8		"	50.0	0.00	29.5	10-158				
Isopropylbenzene	29.1		"	50.0	0.00	58.2	10-162				
Methyl acetate	23.1		"	50.0	0.00	46.2	10-149				
Methyl tert-butyl ether (MTBE)	36.9		"	50.0	0.00	73.9	42-152				
Methylcyclohexane	32.1		"	50.0	0.00	64.2	70-130	Low Bias			
Methylene chloride	32.7		"	50.0	4.78	55.9	28-151				
n-Butylbenzene	20.6		"	50.0	0.00	41.3	10-162				
n-Propylbenzene	25.1		"	50.0	0.00	50.2	10-155				
o-Xylene	29.8		"	50.0	0.00	59.6	10-158				
p- & m- Xylenes	55.3		"	100	0.00	55.3	10-156				
p-Isopropyltoluene	24.4		"	50.0	0.00	48.8	10-147				
sec-Butylbenzene	26.8		"	50.0	0.00	53.6	10-157				
Styrene	24.0		"	50.0	0.00	48.0	13-171				
tert-Butyl alcohol (TBA)	173		"	250	0.00	69.2	34-179				
tert-Butylbenzene	27.8		"	50.0	0.00	55.5	10-160				
Tetrachloroethylene	25.0		"	50.0	0.00	50.0	30-167				
Toluene	30.5		"	50.0	0.00	61.1	21-160				
trans-1,2-Dichloroethylene	24.2		"	50.0	0.00	48.3	29-153				
trans-1,3-Dichloropropylene	18.4		"	50.0	0.00	36.8	18-155				
Trichloroethylene	29.1		"	50.0	0.00	58.2	24-169				
Trichlorofluoromethane	37.0		"	50.0	0.00	74.0	35-142				
Vinyl Chloride	29.4		"	50.0	0.00	58.9	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*54.1*		*"*	*50.0*		*108*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.1*		*"*	*50.0*		*108*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.6*		*"*	*50.0*		*105*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12688 - EPA 5035A

Matrix Spike Dup (BL12688-M Matrix Spike Dup *Source sample: 21L0910-09 (EP05_0-2) Prepared: 12/21/2021 Analyzed: 12/22/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	35.8		ug/L	50.0	0.00	71.6	15-161		18.7	33	
1,1,1-Trichloroethane	30.9		"	50.0	0.00	61.8	42-145		19.4	30	
1,1,2,2-Tetrachloroethane	0.00		"	50.0	0.00		16-167	Low Bias	200	56	Non-dir.
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	35.9		"	50.0	0.00	71.8	11-160		17.5	31	
1,1,2-Trichloroethane	32.9		"	50.0	0.00	65.8	44-145		33.7	40	
1,1-Dichloroethane	30.6		"	50.0	0.00	61.1	46-142		20.5	36	
1,1-Dichloroethylene	31.4		"	50.0	0.00	62.7	30-153		14.6	31	
1,2,3-Trichlorobenzene	21.2		"	50.0	0.00	42.3	10-157		4.57	47	
1,2,3-Trichloropropane	36.2		"	50.0	0.00	72.3	38-155		21.4	48	
1,2,4-Trichlorobenzene	19.3		"	50.0	0.00	38.6	10-151		8.30	52	
1,2,4-Trimethylbenzene	29.0		"	50.0	0.00	57.9	10-170		17.9	242	
1,2-Dibromo-3-chloropropane	28.4		"	50.0	0.00	56.8	36-138		32.6	54	
1,2-Dibromoethane	33.7		"	50.0	0.00	67.3	40-142		22.7	39	
1,2-Dichlorobenzene	26.9		"	50.0	0.00	53.9	10-147		14.6	52	
1,2-Dichloroethane	32.0		"	50.0	0.00	64.0	48-133		20.3	32	
1,2-Dichloropropane	36.8		"	50.0	0.00	73.6	47-141		23.5	37	
1,3,5-Trimethylbenzene	30.1		"	50.0	0.00	60.1	10-150		15.9	62	
1,3-Dichlorobenzene	24.8		"	50.0	0.00	49.6	10-144		15.0	51	
1,4-Dichlorobenzene	24.4		"	50.0	0.00	48.8	10-160		13.8	52	
1,4-Dioxane	1300		"	1050	0.00	124	10-191		28.8	196	
2-Butanone	28.7		"	50.0	0.00	57.4	10-189		3.59	67	
2-Hexanone	35.1		"	50.0	0.00	70.2	10-181		22.8	60	
4-Methyl-2-pentanone	36.6		"	50.0	0.00	73.2	10-166		27.4	47	
Acetone	48.7		"	50.0	0.00	97.4	10-196		31.3	150	
Acrolein	10.7		"	50.0	0.00	21.4	10-192		95.3	128	
Acrylonitrile	27.7		"	50.0	0.00	55.4	13-161		24.6	48	
Benzene	30.3		"	50.0	0.00	60.5	43-139		19.2	64	
Bromochloromethane	30.7		"	50.0	0.00	61.3	38-145		20.9	30	
Bromodichloromethane	35.7		"	50.0	0.00	71.4	38-147		26.6	37	
Bromoform	29.7		"	50.0	0.00	59.4	29-156		20.2	51	
Bromomethane	29.7		"	50.0	0.00	59.4	10-166		10.3	42	
Carbon disulfide	25.8		"	50.0	0.00	51.7	10-131		19.0	36	
Carbon tetrachloride	31.6		"	50.0	0.00	63.2	35-145		16.4	31	
Chlorobenzene	30.1		"	50.0	0.00	60.2	21-154		18.4	32	
Chloroethane	35.8		"	50.0	0.00	71.7	15-160		20.0	40	
Chloroform	31.7		"	50.0	0.00	63.4	47-142		19.3	29	
Chloromethane	27.1		"	50.0	0.00	54.2	10-159		20.4	31	
cis-1,2-Dichloroethylene	28.6		"	50.0	0.00	57.2	42-144		22.0	30	
cis-1,3-Dichloropropylene	27.3		"	50.0	0.00	54.6	18-159		27.5	39	
Cyclohexane	32.5		"	50.0	0.00	65.0	70-130	Low Bias	15.6	30	
Dibromochloromethane	31.3		"	50.0	0.00	62.5	10-179		22.9	41	
Dibromomethane	33.8		"	50.0	0.00	67.6	47-143		23.1	41	
Dichlorodifluoromethane	21.8		"	50.0	0.00	43.6	10-145		15.0	34	
Ethyl Benzene	31.4		"	50.0	0.00	62.8	11-158		19.2	42	
Hexachlorobutadiene	21.5		"	50.0	0.00	42.9	10-158		5.02	45	
Isopropylbenzene	31.3		"	50.0	0.00	62.6	10-162		18.7	57	
Methyl acetate	0.00		"	50.0	0.00		10-149	Low Bias	200	64	Non-dir.
Methyl tert-butyl ether (MTBE)	35.5		"	50.0	0.00	71.0	42-152		19.6	47	
Methylcyclohexane	33.6		"	50.0	0.00	67.1	70-130	Low Bias	12.0	30	
Methylene chloride	49.5		"	50.0	0.00	98.9	28-151		3.50	49	
n-Butylbenzene	25.0		"	50.0	0.00	50.0	10-162		10.6	96	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12688 - EPA 5035A

Matrix Spike Dup (BL12688-M Matrix Spike Dup *Source sample: 21L0910-09 (EP05_0-2) Prepared: 12/21/2021 Analyzed: 12/22/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
n-Propylbenzene	28.5		ug/L	50.0	0.00	57.0	10-155		17.1	56	
o-Xylene	31.6		"	50.0	0.00	63.2	10-158		20.3	51	
p- & m- Xylenes	60.1		"	100	0.00	60.1	10-156		20.0	47	
p-Isopropyltoluene	28.2		"	50.0	0.00	56.4	10-147		12.2	60	
sec-Butylbenzene	30.3		"	50.0	0.00	60.6	10-157		14.4	56	
Styrene	29.9		"	50.0	0.00	59.8	13-171		17.6	39	
tert-Butyl alcohol (TBA)	154		"	250	0.00	61.8	34-179		18.8	35	
tert-Butylbenzene	30.9		"	50.0	0.00	61.8	10-160		14.7	79	
Tetrachloroethylene	27.5		"	50.0	0.00	55.0	30-167		15.2	33	
Toluene	32.5		"	50.0	0.00	65.0	21-160		20.1	50	
trans-1,2-Dichloroethylene	28.7		"	50.0	0.00	57.4	29-153		18.0	30	
trans-1,3-Dichloropropylene	25.0		"	50.0	0.00	50.0	18-155		25.5	30	
Trichloroethylene	56.0		"	50.0	0.00	112	24-169		32.3	30	Non-dir.
Trichlorofluoromethane	35.4		"	50.0	0.00	70.9	35-142		18.1	30	
Vinyl Chloride	30.1		"	50.0	0.00	60.3	12-160		21.4	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.1*		*"*	*50.0*		*106*	*77-125*				
Surrogate: SURR: Toluene-d8	*53.8*		*"*	*50.0*		*108*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*76-130*				

Matrix Spike Dup (BL12688-M Matrix Spike Dup *Source sample: 21L0910-10 (EP14_0-2) Prepared: 12/21/2021 Analyzed: 12/22/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	32.0		ug/L	50.0	0.00	64.0	15-161		4.58	33	
1,1,1-Trichloroethane	27.8		"	50.0	0.00	55.5	42-145		13.2	30	
1,1,2,2-Tetrachloroethane	19.5		"	50.0	0.00	38.9	16-167		52.4	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	32.0		"	50.0	0.00	64.0	11-160		12.8	31	
1,1,2-Trichloroethane	34.5		"	50.0	0.00	69.1	44-145		0.318	40	
1,1-Dichloroethane	27.4		"	50.0	0.00	54.8	46-142		12.7	36	
1,1-Dichloroethylene	25.1		"	50.0	0.00	50.2	30-153		13.1	31	
1,2,3-Trichlorobenzene	15.2		"	50.0	0.00	30.5	10-157		15.6	47	
1,2,3-Trichloropropane	33.1		"	50.0	0.00	66.1	38-155		6.78	48	
1,2,4-Trichlorobenzene	14.8		"	50.0	0.00	29.7	10-151		18.1	52	
1,2,4-Trimethylbenzene	23.6		"	50.0	0.00	47.1	10-170		7.99	242	
1,2-Dibromo-3-chloropropane	27.4		"	50.0	0.00	54.9	36-138		2.98	54	
1,2-Dibromoethane	30.0		"	50.0	0.00	59.9	40-142		8.49	39	
1,2-Dichlorobenzene	21.3		"	50.0	0.00	42.5	10-147		15.5	52	
1,2-Dichloroethane	29.2		"	50.0	0.00	58.5	48-133		0.103	32	
1,2-Dichloropropane	33.4		"	50.0	0.00	66.8	47-141		11.0	37	
1,3,5-Trimethylbenzene	24.3		"	50.0	0.00	48.7	10-150		10.8	62	
1,3-Dichlorobenzene	19.9		"	50.0	0.00	39.8	10-144		9.30	51	
1,4-Dichlorobenzene	19.0		"	50.0	0.00	38.0	10-160		12.1	52	
1,4-Dioxane	1370		"	1050	0.00	130	10-191		1.06	196	
2-Butanone	26.2		"	50.0	0.00	52.5	10-189		11.3	67	
2-Hexanone	33.0		"	50.0	0.00	66.0	10-181		2.75	60	
4-Methyl-2-pentanone	36.2		"	50.0	0.00	72.3	10-166		9.36	47	
Acetone	33.1		"	50.0	0.00	66.2	10-196		4.02	150	
Acrolein	21.6		"	50.0	0.00	43.1	10-192		20.5	128	
Acrylonitrile	27.3		"	50.0	0.00	54.6	13-161		0.292	48	
Benzene	28.1		"	50.0	0.00	56.1	43-139		10.5	64	
Bromochloromethane	27.2		"	50.0	0.00	54.4	38-145		0.879	30	
Bromodichloromethane	33.2		"	50.0	0.00	66.3	38-147		7.24	37	
Bromoform	26.7		"	50.0	0.00	53.4	29-156		9.37	51	
Bromomethane	25.8		"	50.0	0.00	51.5	10-166		7.54	42	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12688 - EPA 5035A

Matrix Spike Dup (BL12688-M Matrix Spike Dup *Source sample: 21L0910-10 (EP14_0-2) Prepared: 12/21/2021 Analyzed: 12/22/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Carbon disulfide	19.4		ug/L	50.0	0.00	38.7	10-131		1.13	36	
Carbon tetrachloride	27.6		"	50.0	0.00	55.3	35-145		12.8	31	
Chlorobenzene	25.5		"	50.0	0.00	51.1	21-154		1.58	32	
Chloroethane	30.2		"	50.0	0.00	60.3	15-160		18.0	40	
Chloroform	29.2		"	50.0	0.00	58.4	47-142		4.84	29	
Chloromethane	22.8		"	50.0	0.00	45.7	10-159		16.2	31	
cis-1,2-Dichloroethylene	24.8		"	50.0	0.00	49.7	42-144		4.64	30	
cis-1,3-Dichloropropylene	24.3		"	50.0	0.00	48.6	18-159		3.52	39	
Cyclohexane	27.0		"	50.0	0.00	53.9	70-130	Low Bias	20.4	30	
Dibromochloromethane	28.2		"	50.0	0.00	56.4	10-179		0.0709	41	
Dibromomethane	29.8		"	50.0	0.00	59.5	47-143		4.60	41	
Dichlorodifluoromethane	18.6		"	50.0	0.00	37.2	10-145		17.6	34	
Ethyl Benzene	26.6		"	50.0	0.00	53.2	11-158		7.98	42	
Hexachlorobutadiene	15.3		"	50.0	0.00	30.5	10-158		3.40	45	
Isopropylbenzene	25.5		"	50.0	0.00	51.0	10-162		13.1	57	
Methyl acetate	25.3		"	50.0	0.00	50.6	10-149		9.05	64	
Methyl tert-butyl ether (MTBE)	35.2		"	50.0	0.00	70.4	42-152		4.77	47	
Methylcyclohexane	27.1		"	50.0	0.00	54.2	70-130	Low Bias	16.8	30	
Methylene chloride	31.0		"	50.0	6.57	48.8	28-151		5.50	49	
n-Butylbenzene	19.1		"	50.0	0.00	38.2	10-162		7.75	96	
n-Propylbenzene	22.9		"	50.0	0.00	45.8	10-155		9.08	56	
o-Xylene	27.3		"	50.0	0.00	54.6	10-158		8.83	51	
p- & m- Xylenes	51.3		"	100	0.00	51.3	10-156		7.52	47	
p-Isopropyltoluene	22.6		"	50.0	0.00	45.1	10-147		7.75	60	
sec-Butylbenzene	23.8		"	50.0	0.00	47.7	10-157		11.7	56	
Styrene	25.7		"	50.0	0.00	51.4	13-171		6.85	39	
tert-Butyl alcohol (TBA)	160		"	250	0.00	64.1	34-179		7.63	35	
tert-Butylbenzene	25.0		"	50.0	0.00	50.0	10-160		10.4	79	
Tetrachloroethylene	22.8		"	50.0	0.00	45.6	30-167		9.16	33	
Toluene	29.0		"	50.0	0.00	58.0	21-160		5.21	50	
trans-1,2-Dichloroethylene	23.3		"	50.0	0.00	46.7	29-153		3.54	30	
trans-1,3-Dichloropropylene	21.8		"	50.0	0.00	43.6	18-155		16.9	30	
Trichloroethylene	35.5		"	50.0	0.00	70.9	24-169		19.8	30	
Trichlorofluoromethane	31.1		"	50.0	0.00	62.2	35-142		17.4	30	
Vinyl Chloride	24.7		"	50.0	0.00	49.5	12-160		17.3	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.2*		*"*	*50.0*		*106*	*77-125*				
Surrogate: SURR: Toluene-d8	*53.3*		*"*	*50.0*		*107*	*85-120*				
Surrogate: SURR: 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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12690 - EPA 5035A											
Blank (BL12690-BLK1) Blank									Prepared & Analyzed: 12/22/2021		
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
Batch BL12690 - EPA 5035A											
Blank (BL12690-BLK1) Blank								Prepared & Analyzed: 12/22/2021			
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	*46.8*		*ug/L*	*50.0*		*93.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.4*		*"*	*50.0*		*98.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.8*		*"*	*50.0*		*110*	*76-130*				
Blank (BL12690-BLK2) Blank								Prepared & Analyzed: 12/22/2021			
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	"								

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 BL12690 - EPA 5035A											
Blank (BL12690-BLK2) Blank								Prepared & Analyzed: 12/22/2021			
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.3*		*ug/L*	*50.0*		*96.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.5*		*"*	*50.0*		*98.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.6*		*"*	*50.0*		*107*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

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

Batch BL12690 - EPA 5035A

Blank (BL12690-BLK3) HB-21L0916 — Prepared & Analyzed: 12/22/2021

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
Batch BL12690 - EPA 5035A											
Blank (BL12690-BLK3) HB-21L0916							Prepared & Analyzed: 12/22/2021				
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	*47.6*		*ug/L*	*50.0*		*95.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.2*		*"*	*50.0*		*98.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.4*		*"*	*50.0*		*109*	*76-130*				
LCS (BL12690-BS1) LCS							Prepared & Analyzed: 12/22/2021				
1,1,1,2-Tetrachloroethane	49.7		ug/L	50.0		99.3	75-129				
1,1,1-Trichloroethane	52.4		"	50.0		105	71-137				
1,1,2,2-Tetrachloroethane	49.9		"	50.0		99.7	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51.9		"	50.0		104	58-146				
1,1,2-Trichloroethane	46.5		"	50.0		93.0	83-123				
1,1-Dichloroethane	44.7		"	50.0		89.3	75-130				
1,1-Dichloroethylene	42.1		"	50.0		84.2	64-137				
1,2,3-Trichlorobenzene	61.5		"	50.0		123	81-140				
1,2,3-Trichloropropane	51.7		"	50.0		103	81-126				
1,2,4-Trichlorobenzene	62.6		"	50.0		125	80-141				
1,2,4-Trimethylbenzene	52.2		"	50.0		104	84-125				
1,2-Dibromo-3-chloropropane	43.4		"	50.0		86.8	74-142				
1,2-Dibromoethane	49.9		"	50.0		99.8	86-123				
1,2-Dichlorobenzene	51.4		"	50.0		103	85-122				
1,2-Dichloroethane	43.6		"	50.0		87.1	71-133				
1,2-Dichloropropane	42.7		"	50.0		85.5	81-122				
1,3,5-Trimethylbenzene	49.8		"	50.0		99.5	82-126				
1,3-Dichlorobenzene	54.6		"	50.0		109	84-124				
1,4-Dichlorobenzene	56.0		"	50.0		112	84-124				
1,4-Dioxane	1060		"	1050		101	10-228				
2-Butanone	46.6		"	50.0		93.3	58-147				
2-Hexanone	35.9		"	50.0		71.8	70-139				
4-Methyl-2-pentanone	32.3		"	50.0		64.6	72-132	Low Bias			
Acetone	32.5		"	50.0		64.9	36-155				
Acrolein	74.0		"	50.0		148	10-238				
Acrylonitrile	44.4		"	50.0		88.8	66-141				
Benzene	49.0		"	50.0		98.0	77-127				
Bromochloromethane	42.6		"	50.0		85.1	74-129				
Bromodichloromethane	47.1		"	50.0		94.3	81-124				
Bromoform	53.0		"	50.0		106	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12690 - EPA 5035A											
LCS (BL12690-BS1) LCS							Prepared & Analyzed: 12/22/2021				
Bromomethane	40.0		ug/L	50.0		79.9	32-177				
Carbon disulfide	47.5		"	50.0		95.1	10-136				
Carbon tetrachloride	53.2		"	50.0		106	66-143				
Chlorobenzene	48.4		"	50.0		96.8	86-120				
Chloroethane	36.9		"	50.0		73.8	51-142				
Chloroform	49.6		"	50.0		99.3	76-131				
Chloromethane	27.0		"	50.0		53.9	49-132				
cis-1,2-Dichloroethylene	44.4		"	50.0		88.8	74-132				
cis-1,3-Dichloropropylene	47.0		"	50.0		94.1	81-129				
Cyclohexane	42.4		"	50.0		84.8	70-130				
Dibromochloromethane	50.5		"	50.0		101	10-200				
Dibromomethane	44.1		"	50.0		88.2	83-124				
Dichlorodifluoromethane	25.9		"	50.0		51.8	28-158				
Ethyl Benzene	46.3		"	50.0		92.6	84-125				
Hexachlorobutadiene	63.4		"	50.0		127	83-133				
Isopropylbenzene	50.4		"	50.0		101	81-127				
Methyl acetate	36.7		"	50.0		73.3	41-143				
Methyl tert-butyl ether (MTBE)	46.0		"	50.0		92.0	74-131				
Methylcyclohexane	43.1		"	50.0		86.2	70-130				
Methylene chloride	43.4		"	50.0		86.9	57-141				
n-Butylbenzene	47.1		"	50.0		94.2	80-130				
n-Propylbenzene	47.7		"	50.0		95.4	74-136				
o-Xylene	44.6		"	50.0		89.1	83-123				
p- & m- Xylenes	88.7		"	100		88.7	82-128				
p-Isopropyltoluene	53.7		"	50.0		107	85-125				
sec-Butylbenzene	53.6		"	50.0		107	83-125				
Styrene	47.9		"	50.0		95.8	86-126				
tert-Butyl alcohol (TBA)	258		"	250		103	70-130				
tert-Butylbenzene	45.6		"	50.0		91.1	80-127				
Tetrachloroethylene	48.7		"	50.0		97.4	80-129				
Toluene	45.1		"	50.0		90.2	85-121				
trans-1,2-Dichloroethylene	45.3		"	50.0		90.5	72-132				
trans-1,3-Dichloropropylene	41.5		"	50.0		83.0	78-132				
Trichloroethylene	45.8		"	50.0		91.5	84-123				
Trichlorofluoromethane	40.0		"	50.0		80.0	62-140				
Vinyl Chloride	29.6		"	50.0		59.1	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.7*		*"*	*50.0*		*95.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.3*		*"*	*50.0*		*101*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12690 - EPA 5035A

LCS Dup (BL12690-BSD1) LCS Dup — Prepared & Analyzed: 12/22/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	55.3		ug/L	50.0		111	75-129		10.7	30	
1,1,1-Trichloroethane	56.0		"	50.0		112	71-137		6.64	30	
1,1,2,2-Tetrachloroethane	55.8		"	50.0		112	79-129		11.3	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.6		"	50.0		105	58-146		1.32	30	
1,1,2-Trichloroethane	52.7		"	50.0		105	83-123		12.6	30	
1,1-Dichloroethane	48.0		"	50.0		95.9	75-130		7.10	30	
1,1-Dichloroethylene	42.9		"	50.0		85.8	64-137		1.86	30	
1,2,3-Trichlorobenzene	68.3		"	50.0		137	81-140		10.5	30	
1,2,3-Trichloropropane	57.8		"	50.0		116	81-126		11.0	30	
1,2,4-Trichlorobenzene	67.2		"	50.0		134	80-141		7.15	30	
1,2,4-Trimethylbenzene	56.5		"	50.0		113	84-125		8.00	30	
1,2-Dibromo-3-chloropropane	51.4		"	50.0		103	74-142		16.9	30	
1,2-Dibromoethane	56.8		"	50.0		114	86-123		12.9	30	
1,2-Dichlorobenzene	56.3		"	50.0		113	85-122		9.04	30	
1,2-Dichloroethane	46.1		"	50.0		92.3	71-133		5.71	30	
1,2-Dichloropropane	47.4		"	50.0		94.8	81-122		10.3	30	
1,3,5-Trimethylbenzene	53.9		"	50.0		108	82-126		8.02	30	
1,3-Dichlorobenzene	59.7		"	50.0		119	84-124		8.89	30	
1,4-Dichlorobenzene	60.1		"	50.0		120	84-124		7.06	30	
1,4-Dioxane	1210		"	1050		115	10-228		12.8	30	
2-Butanone	52.6		"	50.0		105	58-147		12.1	30	
2-Hexanone	42.4		"	50.0		84.8	70-139		16.6	30	
4-Methyl-2-pentanone	37.0		"	50.0		74.1	72-132		13.7	30	
Acetone	34.4		"	50.0		68.8	36-155		5.71	30	
Acrolein	81.2		"	50.0		162	10-238		9.21	30	
Acrylonitrile	50.6		"	50.0		101	66-141		13.0	30	
Benzene	52.5		"	50.0		105	77-127		6.90	30	
Bromochloromethane	46.8		"	50.0		93.5	74-129		9.43	30	
Bromodichloromethane	53.2		"	50.0		106	81-124		12.0	30	
Bromoform	61.3		"	50.0		123	80-136		14.4	30	
Bromomethane	42.8		"	50.0		85.5	32-177		6.79	30	
Carbon disulfide	50.8		"	50.0		102	10-136		6.57	30	
Carbon tetrachloride	56.8		"	50.0		114	66-143		6.60	30	
Chlorobenzene	52.8		"	50.0		106	86-120		8.71	30	
Chloroethane	39.6		"	50.0		79.2	51-142		7.00	30	
Chloroform	53.2		"	50.0		106	76-131		6.87	30	
Chloromethane	28.2		"	50.0		56.4	49-132		4.53	30	
cis-1,2-Dichloroethylene	47.9		"	50.0		95.8	74-132		7.58	30	
cis-1,3-Dichloropropylene	53.1		"	50.0		106	81-129		12.1	30	
Cyclohexane	44.9		"	50.0		89.9	70-130		5.86	30	
Dibromochloromethane	57.1		"	50.0		114	10-200		12.2	30	
Dibromomethane	50.5		"	50.0		101	83-124		13.7	30	
Dichlorodifluoromethane	27.1		"	50.0		54.3	28-158		4.60	30	
Ethyl Benzene	50.9		"	50.0		102	84-125		9.49	30	
Hexachlorobutadiene	68.6		"	50.0		137	83-133	High Bias	7.85	30	
Isopropylbenzene	54.7		"	50.0		109	81-127		8.20	30	
Methyl acetate	41.4		"	50.0		82.7	41-143		12.0	30	
Methyl tert-butyl ether (MTBE)	50.2		"	50.0		100	74-131		8.77	30	
Methylcyclohexane	47.6		"	50.0		95.2	70-130		9.93	30	
Methylene chloride	47.8		"	50.0		95.5	57-141		9.43	30	
n-Butylbenzene	50.3		"	50.0		101	80-130		6.59	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 BL12690 - EPA 5035A											
LCS Dup (BL12690-BSD1) LCS Dup							Prepared & Analyzed: 12/22/2021				
n-Propylbenzene	52.1		ug/L	50.0		104	74-136		8.92	30	
o-Xylene	49.7		"	50.0		99.4	83-123		10.9	30	
p- & m- Xylenes	97.4		"	100		97.4	82-128		9.37	30	
p-Isopropyltoluene	57.5		"	50.0		115	85-125		6.80	30	
sec-Butylbenzene	58.3		"	50.0		117	83-125		8.31	30	
Styrene	53.4		"	50.0		107	86-126		10.7	30	
tert-Butyl alcohol (TBA)	298		"	250		119	70-130		14.5	30	
tert-Butylbenzene	49.3		"	50.0		98.7	80-127		7.97	30	
Tetrachloroethylene	53.6		"	50.0		107	80-129		9.65	30	
Toluene	49.8		"	50.0		99.7	85-121		9.96	30	
trans-1,2-Dichloroethylene	48.6		"	50.0		97.2	72-132		7.09	30	
trans-1,3-Dichloropropylene	46.6		"	50.0		93.1	78-132		11.5	30	
Trichloroethylene	49.9		"	50.0		99.8	84-123		8.59	30	
Trichlorofluoromethane	41.8		"	50.0		83.7	62-140		4.42	30	
Vinyl Chloride	30.4		"	50.0		60.9	52-130		3.00	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.2*		*"*	*50.0*		*94.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.5*		*"*	*50.0*		*99.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.3*		*"*	*50.0*		*98.7*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12532 - EPA 3510C											
Blank (BL12532-BLK1) Blank									Prepared & Analyzed: 12/21/2021		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	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	"								
Alpha Terpineol	ND	10.0	"								
Aniline	ND	5.00	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	5.00	"								
Benzoic acid	ND	5.00	"								
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	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Isophorone	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
Batch BL12532 - EPA 3510C											
Blank (BL12532-BLK1) Blank							Prepared & Analyzed: 12/21/2021				
N-nitroso-di-n-propylamine	ND	5.00	ug/L								
N-Nitrosodiphenylamine	ND	5.00	"								
Phenol	ND	5.00	"								
Surrogate: SURR: 2-Fluorophenol	*13.3*		*"*	*50.0*		*26.5*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*7.63*		*"*	*50.0*		*15.3*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*15.0*		*"*	*25.0*		*59.9*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.0*		*"*	*25.0*		*59.9*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*44.7*		*"*	*50.0*		*89.4*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*17.9*		*"*	*25.0*		*71.6*	*30.7-106*				
Blank (BL12532-BLK2) Blank							Prepared & Analyzed: 12/21/2021				
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	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	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Alpha Terpineol	ND	10.0	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	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
Batch BL12532 - EPA 3510C											
Blank (BL12532-BLK2) Blank							Prepared & Analyzed: 12/21/2021				
Benzo(a)anthracene	ND	0.0500	ug/L								
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	"								
Benzoic acid	ND	5.00	"								
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	"								
Bis(2-ethylhexyl)phthalate	0.500	0.500	"								
Caprolactam	ND	5.00	"								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
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	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	10.0	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: SURR: 2-Fluorophenol	*0.00*		*"*	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		*"*	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		*"*	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		*"*	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		*"*	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		*"*	*25.0*			*30.7-106*				

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 BL12532 - EPA 3510C											
LCS (BL12532-BS1) LCS							Prepared & Analyzed: 12/21/2021				
1,1-Biphenyl	13.8	5.00	ug/L	25.0		55.1	33-95				
1,2,4,5-Tetrachlorobenzene	15.8	5.00	"	25.0		63.2	26-120				
1,2,4-Trichlorobenzene	14.5	5.00	"	25.0		57.9	20-118				
1,2-Dichlorobenzene	12.5	5.00	"	25.0		50.1	29-111				
1,2-Diphenylhydrazine (as Azobenzene)	13.2	5.00	"	25.0		53.0	16-141				
1,3-Dichlorobenzene	12.2	5.00	"	25.0		48.9	23-117				
1,4-Dichlorobenzene	12.4	5.00	"	25.0		49.6	30-105				
2,3,4,6-Tetrachlorophenol	19.6	5.00	"	25.0		78.4	30-130				
2,4,5-Trichlorophenol	17.7	5.00	"	25.0		70.6	32-114				
2,4,6-Trichlorophenol	17.6	5.00	"	25.0		70.6	35-118				
2,4-Dichlorophenol	17.5	5.00	"	25.0		70.0	25-116				
2,4-Dimethylphenol	15.5	5.00	"	25.0		61.9	15-116				
2,4-Dinitrophenol	17.3	5.00	"	25.0		69.3	10-170				
2,4-Dinitrotoluene	18.0	5.00	"	25.0		72.2	41-128				
2,6-Dinitrotoluene	17.9	5.00	"	25.0		71.4	45-116				
2-Chloronaphthalene	14.0	5.00	"	25.0		55.9	33-112				
2-Chlorophenol	13.0	5.00	"	25.0		52.0	15-120				
2-Methylnaphthalene	15.2	5.00	"	25.0		60.6	24-118				
2-Methylphenol	11.4	5.00	"	25.0		45.4	10-110				
2-Nitroaniline	17.1	5.00	"	25.0		68.4	34-129				
2-Nitrophenol	17.0	5.00	"	25.0		68.2	28-118				
3- & 4-Methylphenols	9.42	5.00	"	25.0		37.7	10-107				
3,3-Dichlorobenzidine	13.0	5.00	"	25.0		52.1	15-187				
3-Nitroaniline	16.5	5.00	"	25.0		65.9	24-134				
4,6-Dinitro-2-methylphenol	20.9	5.00	"	25.0		83.5	10-153				
4-Bromophenyl phenyl ether	16.7	5.00	"	25.0		66.8	34-120				
4-Chloro-3-methylphenol	17.4	5.00	"	25.0		69.5	20-120				
4-Chloroaniline	15.9	5.00	"	25.0		63.5	10-147				
4-Chlorophenyl phenyl ether	16.4	5.00	"	25.0		65.6	27-121				
4-Nitroaniline	17.4	5.00	"	25.0		69.4	13-134				
4-Nitrophenol	7.37	5.00	"	25.0		29.5	10-131				
Acetophenone	14.6	5.00	"	25.0		58.6	25-110				
Aniline	21.2	5.00	"	25.0		84.7	10-117				
Benzaldehyde	13.7	5.00	"	25.0		55.0	29-117				
Benzoic acid	5.12	5.00	"	25.0		20.5	30-130	Low Bias			
Benzyl alcohol	11.2	5.00	"	25.0		44.9	10-117				
Benzyl butyl phthalate	15.4	5.00	"	25.0		61.6	29-133				
Bis(2-chloroethoxy)methane	13.1	5.00	"	25.0		52.5	10-154				
Bis(2-chloroethyl)ether	29.4	5.00	"	25.0		117	17-125				
Bis(2-chloroisopropyl)ether	8.72	5.00	"	25.0		34.9	10-139				
Caprolactam	4.17	5.00	"	25.0		16.7	10-137				
Carbazole	16.5	5.00	"	25.0		66.1	42-126				
Dibenzofuran	15.6	5.00	"	25.0		62.4	36-113				
Diethyl phthalate	16.5	5.00	"	25.0		66.0	38-115				
Dimethyl phthalate	16.2	5.00	"	25.0		64.8	38-129				
Di-n-butyl phthalate	16.2	5.00	"	25.0		64.9	31-120				
Di-n-octyl phthalate	16.4	5.00	"	25.0		65.6	21-149				
Hexachlorocyclopentadiene	11.4	10.0	"	25.0		45.5	10-130				
Isophorone	14.2	5.00	"	25.0		56.8	25-127				
N-nitroso-di-n-propylamine	12.8	5.00	"	25.0		51.1	26-122				
N-Nitrosodiphenylamine	17.9	5.00	"	25.0		71.6	23-149				

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 BL12532 - EPA 3510C											
LCS (BL12532-BS1) LCS							Prepared & Analyzed: 12/21/2021				
Phenol	5.93	5.00	ug/L	25.0		23.7	10-110				
Surrogate: SURR: 2-Fluorophenol	*13.8*		*"*	*50.0*		*27.6*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*8.63*		*"*	*50.0*		*17.3*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*13.8*		*"*	*25.0*		*55.4*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*14.1*		*"*	*25.0*		*56.5*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*41.0*		*"*	*50.0*		*82.0*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*16.2*		*"*	*25.0*		*64.8*	*30.7-106*				
LCS (BL12532-BS2) LCS							Prepared & Analyzed: 12/21/2021				
1,1-Biphenyl	ND	5.00	ug/L				33-95				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				26-120				
1,2,4-Trichlorobenzene	ND	5.00	"	1.00			20-118	Low Bias			
1,2-Dichlorobenzene	ND	5.00	"	1.00			29-111	Low Bias			
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-141	Low Bias			
1,3-Dichlorobenzene	ND	5.00	"	1.00			23-117	Low Bias			
1,4-Dichlorobenzene	ND	5.00	"	1.00			30-105	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			32-114	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			35-118	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			25-116	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			15-116	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-170	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-128	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			45-116	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			33-112	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			15-120	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			24-118	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-110	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			34-129	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			28-118	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-107	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				15-187				
3-Nitroaniline	ND	5.00	"	1.00			24-134	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-153	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			34-120	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			20-120	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-147	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			27-121	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			13-134	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-131	Low Bias			
Acenaphthene	0.580	0.0500	"	1.00		58.0	25-116				
Acenaphthylene	0.560	0.0500	"	1.00		56.0	26-116				
Acetophenone	ND	5.00	"				25-110				
Aniline	ND	5.00	"	1.00			10-117	Low Bias			
Anthracene	0.470	0.0500	"	1.00		47.0	25-123				
Benzaldehyde	ND	5.00	"				29-117				
Benzo(a)anthracene	0.630	0.0500	"	1.00		63.0	33-125				
Benzo(a)pyrene	0.460	0.0500	"	1.00		46.0	32-132				
Benzo(b)fluoranthene	0.660	0.0500	"	1.00		66.0	22-137				
Benzo(g,h,i)perylene	0.640	0.0500	"	1.00		64.0	10-138				
Benzo(k)fluoranthene	0.700	0.0500	"	1.00		70.0	20-137				

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 BL12532 - EPA 3510C											
LCS (BL12532-BS2) LCS							Prepared & Analyzed: 12/21/2021				
Benzoic acid	ND	5.00	ug/L				30-130				
Benzyl alcohol	ND	5.00	"	1.00			10-117	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			29-133	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			10-154	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			17-125	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			10-139	Low Bias			
Bis(2-ethylhexyl)phthalate	1.55	0.500	"	1.00		155	10-189				
Caprolactam	ND	5.00	"				10-137				
Carbazole	ND	5.00	"	1.00			42-126	Low Bias			
Chrysene	0.710	0.0500	"	1.00		71.0	32-124				
Dibenzo(a,h)anthracene	0.640	0.0500	"	1.00		64.0	16-133				
Dibenzofuran	ND	5.00	"	1.00			36-113	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-115	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			38-129	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			31-120	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			21-149	Low Bias			
Fluoranthene	0.670	0.0500	"	1.00		67.0	32-121				
Fluorene	0.670	0.0500	"	1.00		67.0	28-118				
Hexachlorobenzene	0.750	0.0200	"	1.00		75.0	23-124				
Hexachlorobutadiene	0.900	0.500	"	1.00		90.0	15-123				
Hexachlorocyclopentadiene	ND	10.0	"	1.00			10-130	Low Bias			
Hexachloroethane	0.640	0.500	"	1.00		64.0	18-115				
Indeno(1,2,3-cd)pyrene	0.580	0.0500	"	1.00		58.0	15-135				
Isophorone	ND	5.00	"	1.00			25-127	Low Bias			
Naphthalene	0.610	0.0500	"	1.00		61.0	18-120				
Nitrobenzene	0.560	0.250	"	1.00		56.0	21-121				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-124	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			26-122	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			23-149	Low Bias			
Pentachlorophenol	0.790	0.250	"	1.00		79.0	10-156				
Phenanthrene	0.660	0.0500	"	1.00		66.0	24-127				
Phenol	ND	5.00	"	1.00			10-110	Low Bias			
Pyrene	0.580	0.0500	"	1.00		58.0	31-132				
Surrogate: SURR: 2-Fluorophenol	*0.00*		*"*	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		*"*	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		*"*	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		*"*	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		*"*	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		*"*	*25.0*			*30.7-106*				

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 BL12532 - EPA 3510C											
LCS Dup (BL12532-BSD1) LCS Dup							Prepared & Analyzed: 12/21/2021				
1,1-Biphenyl	12.9	5.00	ug/L	25.0		51.6	33-95		6.52	20	
1,2,4,5-Tetrachlorobenzene	14.9	5.00	"	25.0		59.6	26-120		5.80	20	
1,2,4-Trichlorobenzene	13.0	5.00	"	25.0		52.2	20-118		10.5	20	
1,2-Dichlorobenzene	11.7	5.00	"	25.0		46.8	29-111		6.69	20	
1,2-Diphenylhydrazine (as Azobenzene)	12.6	5.00	"	25.0		50.6	16-141		4.64	20	
1,3-Dichlorobenzene	11.2	5.00	"	25.0		44.7	23-117		8.97	20	
1,4-Dichlorobenzene	11.4	5.00	"	25.0		45.6	30-105		8.40	20	
2,3,4,6-Tetrachlorophenol	18.3	5.00	"	25.0		73.4	30-130		6.64	20	
2,4,5-Trichlorophenol	16.3	5.00	"	25.0		65.0	32-114		8.25	20	
2,4,6-Trichlorophenol	16.4	5.00	"	25.0		65.8	35-118		7.04	20	
2,4-Dichlorophenol	15.6	5.00	"	25.0		62.2	25-116		11.7	20	
2,4-Dimethylphenol	14.3	5.00	"	25.0		57.2	15-116		7.85	20	
2,4-Dinitrophenol	15.2	5.00	"	25.0		60.8	10-170		13.1	20	
2,4-Dinitrotoluene	17.0	5.00	"	25.0		68.2	41-128		5.76	20	
2,6-Dinitrotoluene	16.8	5.00	"	25.0		67.3	45-116		6.00	20	
2-Chloronaphthalene	13.1	5.00	"	25.0		52.3	33-112		6.58	20	
2-Chlorophenol	12.1	5.00	"	25.0		48.4	15-120		7.09	20	
2-Methylnaphthalene	14.0	5.00	"	25.0		56.1	24-118		7.74	20	
2-Methylphenol	10.2	5.00	"	25.0		40.6	10-110		11.1	20	
2-Nitroaniline	15.8	5.00	"	25.0		63.0	34-129		8.28	20	
2-Nitrophenol	15.8	5.00	"	25.0		63.4	28-118		7.24	20	
3- & 4-Methylphenols	8.53	5.00	"	25.0		34.1	10-107		9.92	20	
3,3-Dichlorobenzidine	12.8	5.00	"	25.0		51.3	15-187		1.62	20	
3-Nitroaniline	15.9	5.00	"	25.0		63.6	24-134		3.65	20	
4,6-Dinitro-2-methylphenol	19.8	5.00	"	25.0		79.0	10-153		5.56	20	
4-Bromophenyl phenyl ether	15.9	5.00	"	25.0		63.7	34-120		4.78	20	
4-Chloro-3-methylphenol	16.2	5.00	"	25.0		65.0	20-120		6.78	20	
4-Chloroaniline	15.3	5.00	"	25.0		61.1	10-147		3.85	20	
4-Chlorophenyl phenyl ether	15.3	5.00	"	25.0		61.4	27-121		6.74	20	
4-Nitroaniline	16.2	5.00	"	25.0		64.6	13-134		7.10	20	
4-Nitrophenol	6.34	5.00	"	25.0		25.4	10-131		15.0	20	
Acetophenone	13.9	5.00	"	25.0		55.4	25-110		5.47	20	
Aniline	20.3	5.00	"	25.0		81.3	10-117		4.14	20	
Benzaldehyde	13.1	5.00	"	25.0		52.3	29-117		5.00	20	
Benzoic acid	4.16	5.00	"	25.0		16.6	30-130	Low Bias	20.7	20	Non-dir.
Benzyl alcohol	10.7	5.00	"	25.0		42.7	10-117		4.93	20	
Benzyl butyl phthalate	15.0	5.00	"	25.0		59.8	29-133		2.83	20	
Bis(2-chloroethoxy)methane	12.1	5.00	"	25.0		48.3	10-154		8.41	20	
Bis(2-chloroethyl)ether	28.2	5.00	"	25.0		113	17-125		4.14	20	
Bis(2-chloroisopropyl)ether	8.22	5.00	"	25.0		32.9	10-139		5.90	20	
Caprolactam	3.96	5.00	"	25.0		15.8	10-137		5.17	20	
Carbazole	15.3	5.00	"	25.0		61.2	42-126		7.73	20	
Dibenzofuran	14.4	5.00	"	25.0		57.8	36-113		7.72	20	
Diethyl phthalate	15.2	5.00	"	25.0		60.8	38-115		8.26	20	
Dimethyl phthalate	15.1	5.00	"	25.0		60.4	38-129		6.97	20	
Di-n-butyl phthalate	15.4	5.00	"	25.0		61.5	31-120		5.38	20	
Di-n-octyl phthalate	15.6	5.00	"	25.0		62.4	21-149		5.06	20	
Hexachlorocyclopentadiene	10.4	10.0	"	25.0		41.6	10-130		8.82	20	
Isophorone	13.1	5.00	"	25.0		52.5	25-127		7.91	20	
N-nitroso-di-n-propylamine	11.6	5.00	"	25.0		46.5	26-122		9.51	20	
N-Nitrosodiphenylamine	17.3	5.00	"	25.0		69.0	23-149		3.58	20	

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 BL12532 - EPA 3510C											
LCS Dup (BL12532-BSD1) LCS Dup							Prepared & Analyzed: 12/21/2021				
Phenol	5.28	5.00	ug/L	25.0		21.1	10-110		11.6	20	
Surrogate: SURR: 2-Fluorophenol	*12.6*		*"*	*50.0*		*25.3*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*7.56*		*"*	*50.0*		*15.1*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*12.9*		*"*	*25.0*		*51.7*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*13.3*		*"*	*25.0*		*53.3*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*39.5*		*"*	*50.0*		*78.9*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*16.1*		*"*	*25.0*		*64.3*	*30.7-106*				
Batch BL12713 - EPA 3546 SVOA											
Blank (BL12713-BLK1) Blank							Prepared & Analyzed: 12/23/2021				
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								

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 BL12713 - EPA 3546 SVOA											
Blank (BL12713-BLK1) Blank								Prepared & Analyzed: 12/23/2021			
Benzo(a)pyrene	ND	0.0416	mg/kg wet								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	0.0535	0.0416	"								
Caprolactam	ND	0.0830	"								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	*1.28*		*"*	*1.66*		*77.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.09*		*"*	*1.66*		*65.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.622*		*"*	*0.831*		*74.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.641*		*"*	*0.831*		*77.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.90*		*"*	*1.66*		*115*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.699*		*"*	*0.831*		*84.1*	*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
Batch BL12713 - EPA 3546 SVOA											
LCS (BL12713-BS1) LCS							Prepared & Analyzed: 12/23/2021				
1,1-Biphenyl	0.602	0.0416	mg/kg wet	0.831		72.5	18-111				
1,2,4,5-Tetrachlorobenzene	0.638	0.0830	"	0.831		76.8	21-131				
1,2,4-Trichlorobenzene	0.627	0.0416	"	0.831		75.5	10-140				
1,2-Dichlorobenzene	0.572	0.0416	"	0.831		68.9	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.521	0.0416	"	0.831		62.7	17-137				
1,3-Dichlorobenzene	0.572	0.0416	"	0.831		68.8	33-110				
1,4-Dichlorobenzene	0.576	0.0416	"	0.831		69.4	32-104				
2,3,4,6-Tetrachlorophenol	0.764	0.0830	"	0.831		92.0	30-130				
2,4,5-Trichlorophenol	0.612	0.0416	"	0.831		73.7	27-118				
2,4,6-Trichlorophenol	0.652	0.0416	"	0.831		78.5	31-120				
2,4-Dichlorophenol	0.700	0.0416	"	0.831		84.3	20-127				
2,4-Dimethylphenol	0.641	0.0416	"	0.831		77.1	14-132				
2,4-Dinitrophenol	0.718	0.0830	"	0.831		86.4	10-171				
2,4-Dinitrotoluene	0.715	0.0416	"	0.831		86.0	34-131				
2,6-Dinitrotoluene	0.690	0.0416	"	0.831		83.1	31-128				
2-Chloronaphthalene	0.584	0.0416	"	0.831		70.3	31-117				
2-Chlorophenol	0.589	0.0416	"	0.831		71.0	33-113				
2-Methylnaphthalene	0.623	0.0416	"	0.831		75.0	12-138				
2-Methylphenol	0.539	0.0416	"	0.831		64.9	10-136				
2-Nitroaniline	0.640	0.0830	"	0.831		77.0	27-132				
2-Nitrophenol	0.705	0.0416	"	0.831		84.9	17-129				
3- & 4-Methylphenols	0.487	0.0416	"	0.831		58.6	29-103				
3,3-Dichlorobenzidine	0.477	0.0416	"	0.831		57.4	22-149				
3-Nitroaniline	0.512	0.0830	"	0.831		61.6	20-133				
4,6-Dinitro-2-methylphenol	0.836	0.0830	"	0.831		101	10-143				
4-Bromophenyl phenyl ether	0.625	0.0416	"	0.831		75.3	29-120				
4-Chloro-3-methylphenol	0.691	0.0416	"	0.831		83.2	24-129				
4-Chloroaniline	0.339	0.0416	"	0.831		40.8	10-132				
4-Chlorophenyl phenyl ether	0.582	0.0416	"	0.831		70.0	27-124				
4-Nitroaniline	0.630	0.0830	"	0.831		75.8	16-128				
4-Nitrophenol	0.780	0.0830	"	0.831		93.9	10-141				
Acenaphthene	0.602	0.0416	"	0.831		72.5	30-121				
Acenaphthylene	0.595	0.0416	"	0.831		71.6	30-115				
Acetophenone	0.600	0.0416	"	0.831		72.3	20-112				
Aniline	0.393	0.166	"	0.831		47.4	10-119				
Anthracene	0.660	0.0416	"	0.831		79.5	34-118				
Atrazine	0.850	0.0416	"	0.831		102	26-112				
Benzaldehyde	0.606	0.0416	"	0.831		73.0	21-100				
Benzo(a)anthracene	0.631	0.0416	"	0.831		76.0	32-122				
Benzo(a)pyrene	0.713	0.0416	"	0.831		85.8	29-133				
Benzo(b)fluoranthene	0.681	0.0416	"	0.831		82.0	25-133				
Benzo(g,h,i)perylene	0.662	0.0416	"	0.831		79.7	10-143				
Benzo(k)fluoranthene	0.676	0.0416	"	0.831		81.4	25-128				
Benzoic acid	0.424	0.0416	"	0.831		51.1	10-140				
Benzyl alcohol	0.545	0.0416	"	0.831		65.6	30-115				
Benzyl butyl phthalate	0.752	0.0416	"	0.831		90.6	26-126				
Bis(2-chloroethoxy)methane	0.507	0.0416	"	0.831		61.0	19-132				
Bis(2-chloroethyl)ether	0.486	0.0416	"	0.831		58.6	19-125				
Bis(2-chloroisopropyl)ether	0.296	0.0416	"	0.831		35.6	20-135				
Bis(2-ethylhexyl)phthalate	0.806	0.0416	"	0.831		97.0	10-155				
Caprolactam	0.754	0.0830	"	0.831		90.8	10-127				

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 BL12713 - EPA 3546 SVOA											
LCS (BL12713-BS1) LCS							Prepared & Analyzed: 12/23/2021				
Carbazole	0.642	0.0416	mg/kg wet	0.831		77.3	35-123				
Chrysene	0.609	0.0416	"	0.831		73.3	32-123				
Dibenzo(a,h)anthracene	0.698	0.0416	"	0.831		84.1	10-136				
Dibenzofuran	0.599	0.0416	"	0.831		72.1	29-121				
Diethyl phthalate	0.654	0.0416	"	0.831		78.8	34-116				
Dimethyl phthalate	0.644	0.0416	"	0.831		77.5	35-124				
Di-n-butyl phthalate	0.689	0.0416	"	0.831		82.9	31-116				
Di-n-octyl phthalate	0.801	0.0416	"	0.831		96.4	26-136				
Fluoranthene	0.595	0.0416	"	0.831		71.7	33-122				
Fluorene	0.610	0.0416	"	0.831		73.4	29-123				
Hexachlorobenzene	0.692	0.0416	"	0.831		83.3	21-124				
Hexachlorobutadiene	0.646	0.0416	"	0.831		77.8	10-149				
Hexachlorocyclopentadiene	0.517	0.0416	"	0.831		62.3	10-129				
Hexachloroethane	0.567	0.0416	"	0.831		68.2	28-108				
Indeno(1,2,3-cd)pyrene	0.636	0.0416	"	0.831		76.6	10-135				
Isophorone	0.516	0.0416	"	0.831		62.1	20-132				
Naphthalene	0.598	0.0416	"	0.831		72.0	23-124				
Nitrobenzene	0.534	0.0416	"	0.831		64.3	13-132				
N-Nitrosodimethylamine	0.435	0.0416	"	0.831		52.3	11-129				
N-nitroso-di-n-propylamine	0.443	0.0416	"	0.831		53.3	24-119				
N-Nitrosodiphenylamine	0.743	0.0416	"	0.831		89.5	22-152				
Pentachlorophenol	0.601	0.0416	"	0.831		72.4	10-139				
Phenanthrene	0.614	0.0416	"	0.831		73.9	33-123				
Phenol	0.545	0.0416	"	0.831		65.6	23-115				
Pyrene	0.626	0.0416	"	0.831		75.4	24-130				
Surrogate: SURR: 2-Fluorophenol	*1.16*		*"*	*1.66*		*69.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.02*		*"*	*1.66*		*61.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.556*		*"*	*0.831*		*67.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.583*		*"*	*0.831*		*70.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.90*		*"*	*1.66*		*114*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.663*		*"*	*0.831*		*79.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12713 - EPA 3546 SVOA

Matrix Spike (BL12713-MS1) Matrix Spike *Source sample: 21L0910-10 (EP14_0-2) Prepared & Analyzed: 12/23/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.747	0.0910	mg/kg dry	0.910	ND	82.1	10-130				
1,2,4,5-Tetrachlorobenzene	0.758	0.182	"	0.910	ND	83.4	10-133				
1,2,4-Trichlorobenzene	0.760	0.0910	"	0.910	ND	83.5	10-127				
1,2-Dichlorobenzene	0.693	0.0910	"	0.910	ND	76.2	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.540	0.0910	"	0.910	ND	59.4	10-144				
1,3-Dichlorobenzene	0.681	0.0910	"	0.910	ND	74.9	11-111				
1,4-Dichlorobenzene	0.690	0.0910	"	0.910	ND	75.8	10-106				
2,3,4,6-Tetrachlorophenol	0.861	0.182	"	0.910	ND	94.6	30-130				
2,4,5-Trichlorophenol	0.735	0.0910	"	0.910	ND	80.8	10-127				
2,4,6-Trichlorophenol	0.765	0.0910	"	0.910	ND	84.2	10-132				
2,4-Dichlorophenol	0.808	0.0910	"	0.910	ND	88.9	10-128				
2,4-Dimethylphenol	0.765	0.0910	"	0.910	ND	84.1	10-137				
2,4-Dinitrophenol	ND	0.182	"	0.910	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.707	0.0910	"	0.910	ND	77.8	16-135				
2,6-Dinitrotoluene	0.672	0.0910	"	0.910	ND	73.8	18-131				
2-Chloronaphthalene	0.691	0.0910	"	0.910	ND	76.0	10-129				
2-Chlorophenol	0.707	0.0910	"	0.910	ND	77.8	15-116				
2-Methylnaphthalene	0.760	0.0910	"	0.910	0.253	55.8	10-147				
2-Methylphenol	0.640	0.0910	"	0.910	ND	70.4	10-136				
2-Nitroaniline	0.784	0.182	"	0.910	ND	86.2	10-137				
2-Nitrophenol	0.548	0.0910	"	0.910	ND	60.2	10-129				
3- & 4-Methylphenols	0.424	0.0910	"	0.910	ND	46.6	10-123				
3,3-Dichlorobenzidine	0.489	0.0910	"	0.910	ND	53.8	10-155				
3-Nitroaniline	0.633	0.182	"	0.910	ND	69.6	12-133				
4,6-Dinitro-2-methylphenol	ND	0.182	"	0.910	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.685	0.0910	"	0.910	ND	75.4	14-128				
4-Chloro-3-methylphenol	0.773	0.0910	"	0.910	ND	85.0	10-134				
4-Chloroaniline	0.213	0.0910	"	0.910	ND	23.4	10-145				
4-Chlorophenyl phenyl ether	0.646	0.0910	"	0.910	ND	71.0	14-130				
4-Nitroaniline	0.729	0.182	"	0.910	ND	80.2	10-147				
4-Nitrophenol	0.704	0.182	"	0.910	ND	77.4	10-137				
Acenaphthene	0.757	0.0910	"	0.910	0.115	70.5	10-146				
Acenaphthylene	0.806	0.0910	"	0.910	0.281	57.7	10-134				
Acetophenone	0.740	0.0910	"	0.910	ND	81.4	10-116				
Aniline	0.570	0.365	"	0.910	ND	62.7	10-123				
Anthracene	0.877	0.0910	"	0.910	0.311	62.2	10-142				
Atrazine	0.901	0.0910	"	0.910	ND	99.0	19-115				
Benzaldehyde	0.740	0.0910	"	0.910	ND	81.4	10-125				
Benzo(a)anthracene	1.13	0.0910	"	0.910	0.802	35.6	10-158				
Benzo(a)pyrene	1.22	0.0910	"	0.910	0.862	38.9	10-180				
Benzo(b)fluoranthene	1.10	0.0910	"	0.910	0.597	55.1	10-200				
Benzo(g,h,i)perylene	1.00	0.0910	"	0.910	0.536	51.4	10-138				
Benzo(k)fluoranthene	1.07	0.0910	"	0.910	0.669	44.2	10-197				
Benzoic acid	0.218	0.0910	"	0.910	ND	24.0	10-166				
Benzyl alcohol	0.618	0.0910	"	0.910	ND	67.9	12-124				
Benzyl butyl phthalate	8.98	0.0910	"	0.910	0.666	915	10-154	High Bias			
Bis(2-chloroethoxy)methane	0.544	0.0910	"	0.910	ND	59.8	10-132				
Bis(2-chloroethyl)ether	0.809	0.0910	"	0.910	ND	89.0	10-119				
Bis(2-chloroisopropyl)ether	0.322	0.0910	"	0.910	ND	35.4	10-139				
Bis(2-ethylhexyl)phthalate	1.58	0.0910	"	0.910	1.08	55.2	10-167				
Caprolactam	0.865	0.182	"	0.910	ND	95.1	10-132				

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 BL12713 - EPA 3546 SVOA											
Matrix Spike (BL12713-MS1) Matrix Spike	*Source sample: 21L0910-10 (EP14_0-2)							Prepared & Analyzed: 12/23/2021			
Carbazole	0.745	0.0910	mg/kg dry	0.910	0.0845	72.6	10-167				
Chrysene	1.10	0.0910	"	0.910	0.827	29.8	10-156				
Dibenzo(a,h)anthracene	0.877	0.0910	"	0.910	0.180	76.6	10-137				
Dibenzofuran	0.712	0.0910	"	0.910	0.0610	71.6	10-147				
Diethyl phthalate	0.693	0.0910	"	0.910	ND	76.2	20-120				
Dimethyl phthalate	0.684	0.0910	"	0.910	ND	75.2	18-131				
Di-n-butyl phthalate	0.843	0.0910	"	0.910	ND	92.7	10-137				
Di-n-octyl phthalate	0.907	0.0910	"	0.910	0.0463	94.7	10-180				
Fluoranthene	1.44	0.0910	"	0.910	1.56	NR	10-160	Low Bias			
Fluorene	0.760	0.0910	"	0.910	0.254	55.6	10-157				
Hexachlorobenzene	0.737	0.0910	"	0.910	ND	81.0	10-137				
Hexachlorobutadiene	0.781	0.0910	"	0.910	ND	85.8	10-132				
Hexachlorocyclopentadiene	0.0931	0.0910	"	0.910	ND	10.2	10-106				
Hexachloroethane	0.551	0.0910	"	0.910	ND	60.6	10-110				
Indeno(1,2,3-cd)pyrene	0.951	0.0910	"	0.910	0.420	58.3	10-144				
Isophorone	0.589	0.0910	"	0.910	ND	64.7	10-132				
Naphthalene	0.745	0.0910	"	0.910	0.229	56.7	10-141				
Nitrobenzene	0.637	0.0910	"	0.910	ND	70.1	10-131				
N-Nitrosodimethylamine	0.480	0.0910	"	0.910	ND	52.8	10-126				
N-nitroso-di-n-propylamine	0.514	0.0910	"	0.910	ND	56.5	10-125				
N-Nitrosodiphenylamine	0.828	0.0910	"	0.910	ND	91.0	10-177				
Pentachlorophenol	0.640	0.0910	"	0.910	ND	70.4	10-153				
Phenanthrene	1.22	0.0910	"	0.910	1.51	NR	10-148	Low Bias			
Phenol	0.617	0.0910	"	0.910	ND	67.8	10-126				
Pyrene	1.55	0.0910	"	0.910	1.68	NR	10-165	Low Bias			
Surrogate: SURR: 2-Fluorophenol	*1.35*		*"*	*1.82*		*74.0*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.20*		*"*	*1.82*		*66.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.661*		*"*	*0.910*		*72.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.691*		*"*	*0.910*		*76.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.20*		*"*	*1.82*		*121*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.755*		*"*	*0.910*		*83.0*	*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 BL12713 - EPA 3546 SVOA											
Matrix Spike Dup (BL12713-M Matrix Spike Dup	*Source sample: 21L0910-10 (EP14_0-2)							Prepared & Analyzed: 12/23/2021			
1,1-Biphenyl	0.688	0.0913	mg/kg dry	0.913	ND	75.4	10-130		8.21	30	
1,2,4,5-Tetrachlorobenzene	0.724	0.182	"	0.913	ND	79.4	10-133		4.59	30	
1,2,4-Trichlorobenzene	0.694	0.0913	"	0.913	ND	76.0	10-127		9.10	30	
1,2-Dichlorobenzene	0.637	0.0913	"	0.913	ND	69.8	14-111		8.55	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.521	0.0913	"	0.913	ND	57.0	10-144		3.66	30	
1,3-Dichlorobenzene	0.634	0.0913	"	0.913	ND	69.4	11-111		7.21	30	
1,4-Dichlorobenzene	0.634	0.0913	"	0.913	ND	69.5	10-106		8.37	30	
2,3,4,6-Tetrachlorophenol	0.881	0.182	"	0.913	ND	96.6	30-130		2.34	30	
2,4,5-Trichlorophenol	0.717	0.0913	"	0.913	ND	78.6	10-127		2.48	30	
2,4,6-Trichlorophenol	0.753	0.0913	"	0.913	ND	82.5	10-132		1.69	30	
2,4-Dichlorophenol	0.751	0.0913	"	0.913	ND	82.3	10-128		7.34	30	
2,4-Dimethylphenol	0.700	0.0913	"	0.913	ND	76.7	10-137		8.83	30	
2,4-Dinitrophenol	ND	0.182	"	0.913	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.658	0.0913	"	0.913	ND	72.1	16-135		7.25	30	
2,6-Dinitrotoluene	0.677	0.0913	"	0.913	ND	74.2	18-131		0.869	30	
2-Chloronaphthalene	0.664	0.0913	"	0.913	ND	72.8	10-129		3.97	30	
2-Chlorophenol	0.656	0.0913	"	0.913	ND	71.8	15-116		7.59	30	
2-Methylnaphthalene	0.710	0.0913	"	0.913	0.253	50.1	10-147		6.91	30	
2-Methylphenol	0.603	0.0913	"	0.913	ND	66.1	10-136		6.00	30	
2-Nitroaniline	0.748	0.182	"	0.913	ND	81.9	10-137		4.81	30	
2-Nitrophenol	0.583	0.0913	"	0.913	ND	63.8	10-129		6.13	30	
3- & 4-Methylphenols	0.554	0.0913	"	0.913	ND	60.7	10-123		26.6	30	
3,3-Dichlorobenzidine	0.519	0.0913	"	0.913	ND	56.9	10-155		5.97	30	
3-Nitroaniline	0.647	0.182	"	0.913	ND	70.9	12-133		2.15	30	
4,6-Dinitro-2-methylphenol	ND	0.182	"	0.913	ND		10-155	Low Bias		30	
4-Bromophenyl phenyl ether	0.644	0.0913	"	0.913	ND	70.6	14-128		6.25	30	
4-Chloro-3-methylphenol	0.734	0.0913	"	0.913	ND	80.5	10-134		5.09	30	
4-Chloroaniline	0.285	0.0913	"	0.913	ND	31.2	10-145		28.7	30	
4-Chlorophenyl phenyl ether	0.634	0.0913	"	0.913	ND	69.4	14-130		1.95	30	
4-Nitroaniline	0.745	0.182	"	0.913	ND	81.6	10-147		2.11	30	
4-Nitrophenol	0.940	0.182	"	0.913	ND	103	10-137		28.7	30	
Acenaphthene	0.711	0.0913	"	0.913	0.115	65.3	10-146		6.23	30	
Acenaphthylene	0.760	0.0913	"	0.913	0.281	52.4	10-134		5.91	30	
Acetophenone	0.690	0.0913	"	0.913	ND	75.6	10-116		7.01	30	
Aniline	0.195	0.366	"	0.913	ND	21.4	10-123		98.1	30	Non-dir.
Anthracene	0.829	0.0913	"	0.913	0.311	56.8	10-142		5.57	30	
Atrazine	0.844	0.0913	"	0.913	ND	92.5	19-115		6.52	30	
Benzaldehyde	0.688	0.0913	"	0.913	ND	75.4	10-125		7.22	30	
Benzo(a)anthracene	1.06	0.0913	"	0.913	0.802	28.0	10-158		6.28	30	
Benzo(a)pyrene	1.14	0.0913	"	0.913	0.862	30.7	10-180		6.29	30	
Benzo(b)fluoranthene	1.09	0.0913	"	0.913	0.597	53.6	10-200		1.07	30	
Benzo(g,h,i)perylene	0.954	0.0913	"	0.913	0.536	45.8	10-138		5.11	30	
Benzo(k)fluoranthene	1.00	0.0913	"	0.913	0.669	36.6	10-197		6.49	30	
Benzoic acid	0.325	0.0913	"	0.913	ND	35.6	10-166		39.2	30	Non-dir.
Benzyl alcohol	0.573	0.0913	"	0.913	ND	62.8	12-124		7.51	30	
Benzyl butyl phthalate	2.19	0.0913	"	0.913	0.666	167	10-154	High Bias	122	30	Non-dir.
Bis(2-chloroethoxy)methane	0.511	0.0913	"	0.913	ND	56.0	10-132		6.30	30	
Bis(2-chloroethyl)ether	0.830	0.0913	"	0.913	ND	91.0	10-119		2.55	30	
Bis(2-chloroisopropyl)ether	0.320	0.0913	"	0.913	ND	35.1	10-139		0.579	30	
Bis(2-ethylhexyl)phthalate	1.09	0.0913	"	0.913	1.08	1.54	10-167	Low Bias	36.5	30	Non-dir.
Caprolactam	0.835	0.182	"	0.913	ND	91.5	10-132		3.53	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12713 - EPA 3546 SVOA

Matrix Spike Dup (BL12713-M Matrix Spike Dup *Source sample: 21L0910-10 (EP14_0-2) Prepared & Analyzed: 12/23/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Carbazole	0.721	0.0913	mg/kg dry	0.913	0.0845	69.8	10-167		3.25	30	
Chrysene	1.07	0.0913	"	0.913	0.827	26.9	10-156		2.36	30	
Dibenzo(a,h)anthracene	0.837	0.0913	"	0.913	0.180	72.0	10-137		4.69	30	
Dibenzofuran	0.690	0.0913	"	0.913	0.0610	68.9	10-147		3.21	30	
Diethyl phthalate	0.675	0.0913	"	0.913	ND	74.0	20-120		2.65	30	
Dimethyl phthalate	0.669	0.0913	"	0.913	ND	73.4	18-131		2.15	30	
Di-n-butyl phthalate	0.707	0.0913	"	0.913	ND	77.5	10-137		17.5	30	
Di-n-octyl phthalate	0.889	0.0913	"	0.913	0.0463	92.4	10-180		2.02	30	
Fluoranthene	1.32	0.0913	"	0.913	1.56	NR	10-160	Low Bias	8.97	30	
Fluorene	0.750	0.0913	"	0.913	0.254	54.3	10-157		1.41	30	
Hexachlorobenzene	0.691	0.0913	"	0.913	ND	75.7	10-137		6.51	30	
Hexachlorobutadiene	0.709	0.0913	"	0.913	ND	77.7	10-132		9.65	30	
Hexachlorocyclopentadiene	0.0840	0.0913	"	0.913	ND	9.20	10-106	Low Bias	10.4	30	
Hexachloroethane	0.503	0.0913	"	0.913	ND	55.1	10-110		9.08	30	
Indeno(1,2,3-cd)pyrene	0.899	0.0913	"	0.913	0.420	52.5	10-144		5.58	30	
Isophorone	0.545	0.0913	"	0.913	ND	59.8	10-132		7.64	30	
Naphthalene	0.682	0.0913	"	0.913	0.229	49.6	10-141		8.87	30	
Nitrobenzene	0.580	0.0913	"	0.913	ND	63.6	10-131		9.37	30	
N-Nitrosodimethylamine	0.439	0.0913	"	0.913	ND	48.1	10-126		9.03	30	
N-nitroso-di-n-propylamine	0.464	0.0913	"	0.913	ND	50.8	10-125		10.3	30	
N-Nitrosodiphenylamine	0.823	0.0913	"	0.913	ND	90.2	10-177		0.643	30	
Pentachlorophenol	0.634	0.0913	"	0.913	ND	69.4	10-153		1.04	30	
Phenanthrene	1.13	0.0913	"	0.913	1.51	NR	10-148	Low Bias	7.13	30	
Phenol	0.584	0.0913	"	0.913	ND	64.0	10-126		5.50	30	
Pyrene	1.45	0.0913	"	0.913	1.68	NR	10-165	Low Bias	7.15	30	
Surrogate: SURR: 2-Fluorophenol	*1.24*		*"*	*1.83*		*68.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.10*		*"*	*1.83*		*60.0*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.597*		*"*	*0.913*		*65.4*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.648*		*"*	*0.913*		*71.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.10*		*"*	*1.83*		*115*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.721*		*"*	*0.913*		*79.0*	*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 BL12714 - EPA 3546 SVOA											
Blank (BL12714-BLK1) Blank									Prepared & Analyzed: 12/23/2021		
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								

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 BL12714 - EPA 3546 SVOA											
Blank (BL12714-BLK1) Blank								Prepared & Analyzed: 12/23/2021			
Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	*1.03*		*"*	*1.66*		*62.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.701*		*"*	*1.66*		*42.2*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.732*		*"*	*0.831*		*88.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.517*		*"*	*0.831*		*62.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.26*		*"*	*1.66*		*76.0*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.597*		*"*	*0.831*		*71.8*	*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 BL12714 - EPA 3546 SVOA											
LCS (BL12714-BS1) LCS							Prepared & Analyzed: 12/23/2021				
1,1-Biphenyl	0.482	0.0416	mg/kg wet	0.831		58.0	18-111				
1,2,4,5-Tetrachlorobenzene	0.534	0.0830	"	0.831		64.2	21-131				
1,2,4-Trichlorobenzene	0.591	0.0416	"	0.831		71.2	10-140				
1,2-Dichlorobenzene	0.517	0.0416	"	0.831		62.2	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.530	0.0416	"	0.831		63.8	17-137				
1,3-Dichlorobenzene	0.484	0.0416	"	0.831		58.3	33-110				
1,4-Dichlorobenzene	0.544	0.0416	"	0.831		65.4	32-104				
2,3,4,6-Tetrachlorophenol	0.650	0.0830	"	0.831		78.3	30-130				
2,4,5-Trichlorophenol	0.475	0.0416	"	0.831		57.2	27-118				
2,4,6-Trichlorophenol	0.547	0.0416	"	0.831		65.8	31-120				
2,4-Dichlorophenol	0.589	0.0416	"	0.831		71.0	20-127				
2,4-Dimethylphenol	0.481	0.0416	"	0.831		58.0	14-132				
2,4-Dinitrophenol	0.509	0.0830	"	0.831		61.3	10-171				
2,4-Dinitrotoluene	0.659	0.0416	"	0.831		79.4	34-131				
2,6-Dinitrotoluene	0.644	0.0416	"	0.831		77.6	31-128				
2-Chloronaphthalene	0.516	0.0416	"	0.831		62.1	31-117				
2-Chlorophenol	0.511	0.0416	"	0.831		61.6	33-113				
2-Methylnaphthalene	0.570	0.0416	"	0.831		68.7	12-138				
2-Methylphenol	0.508	0.0416	"	0.831		61.2	10-136				
2-Nitroaniline	0.533	0.0830	"	0.831		64.2	27-132				
2-Nitrophenol	0.679	0.0416	"	0.831		81.8	17-129				
3- & 4-Methylphenols	0.479	0.0416	"	0.831		57.7	29-103				
3,3-Dichlorobenzidine	0.449	0.0416	"	0.831		54.0	22-149				
3-Nitroaniline	0.533	0.0830	"	0.831		64.2	20-133				
4,6-Dinitro-2-methylphenol	0.714	0.0830	"	0.831		85.9	10-143				
4-Bromophenyl phenyl ether	0.551	0.0416	"	0.831		66.4	29-120				
4-Chloro-3-methylphenol	0.613	0.0416	"	0.831		73.8	24-129				
4-Chloroaniline	0.175	0.0416	"	0.831		21.1	10-132				
4-Chlorophenyl phenyl ether	0.550	0.0416	"	0.831		66.2	27-124				
4-Nitroaniline	0.444	0.0830	"	0.831		53.5	16-128				
4-Nitrophenol	0.348	0.0830	"	0.831		41.9	10-141				
Acenaphthene	0.516	0.0416	"	0.831		62.1	30-121				
Acenaphthylene	0.504	0.0416	"	0.831		60.7	30-115				
Acetophenone	0.488	0.0416	"	0.831		58.8	20-112				
Aniline	0.411	0.166	"	0.831		49.5	10-119				
Anthracene	0.515	0.0416	"	0.831		62.0	34-118				
Atrazine	0.552	0.0416	"	0.831		66.5	26-112				
Benzaldehyde	0.478	0.0416	"	0.831		57.6	21-100				
Benzo(a)anthracene	0.531	0.0416	"	0.831		63.9	32-122				
Benzo(a)pyrene	0.510	0.0416	"	0.831		61.4	29-133				
Benzo(b)fluoranthene	0.472	0.0416	"	0.831		56.9	25-133				
Benzo(g,h,i)perylene	0.494	0.0416	"	0.831		59.5	10-143				
Benzo(k)fluoranthene	0.494	0.0416	"	0.831		59.4	25-128				
Benzoic acid	0.489	0.0416	"	0.831		58.8	10-140				
Benzyl alcohol	0.475	0.0416	"	0.831		57.2	30-115				
Benzyl butyl phthalate	0.577	0.0416	"	0.831		69.4	26-126				
Bis(2-chloroethoxy)methane	0.489	0.0416	"	0.831		58.8	19-132				
Bis(2-chloroethyl)ether	0.503	0.0416	"	0.831		60.5	19-125				
Bis(2-chloroisopropyl)ether	0.407	0.0416	"	0.831		49.0	20-135				
Bis(2-ethylhexyl)phthalate	0.597	0.0416	"	0.831		71.8	10-155				
Caprolactam	0.530	0.0830	"	0.831		63.8	10-127				

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 BL12714 - EPA 3546 SVOA											
LCS (BL12714-BS1) LCS							Prepared & Analyzed: 12/23/2021				
Carbazole	0.497	0.0416	mg/kg wet	0.831		59.8	35-123				
Chrysene	0.518	0.0416	"	0.831		62.3	32-123				
Dibenzo(a,h)anthracene	0.541	0.0416	"	0.831		65.1	10-136				
Dibenzofuran	0.528	0.0416	"	0.831		63.6	29-121				
Diethyl phthalate	0.528	0.0416	"	0.831		63.6	34-116				
Dimethyl phthalate	0.516	0.0416	"	0.831		62.1	35-124				
Di-n-butyl phthalate	0.516	0.0416	"	0.831		62.1	31-116				
Di-n-octyl phthalate	0.559	0.0416	"	0.831		67.3	26-136				
Fluoranthene	0.511	0.0416	"	0.831		61.5	33-122				
Fluorene	0.508	0.0416	"	0.831		61.1	29-123				
Hexachlorobenzene	0.546	0.0416	"	0.831		65.7	21-124				
Hexachlorobutadiene	0.649	0.0416	"	0.831		78.1	10-149				
Hexachlorocyclopentadiene	0.152	0.0416	"	0.831		18.3	10-129				
Hexachloroethane	0.528	0.0416	"	0.831		63.5	28-108				
Indeno(1,2,3-cd)pyrene	0.619	0.0416	"	0.831		74.5	10-135				
Isophorone	0.542	0.0416	"	0.831		65.2	20-132				
Naphthalene	0.541	0.0416	"	0.831		65.2	23-124				
Nitrobenzene	0.550	0.0416	"	0.831		66.2	13-132				
N-Nitrosodimethylamine	0.409	0.0416	"	0.831		49.2	11-129				
N-nitroso-di-n-propylamine	0.496	0.0416	"	0.831		59.7	24-119				
N-Nitrosodiphenylamine	0.602	0.0416	"	0.831		72.5	22-152				
Pentachlorophenol	0.372	0.0416	"	0.831		44.8	10-139				
Phenanthrene	0.489	0.0416	"	0.831		58.9	33-123				
Phenol	0.521	0.0416	"	0.831		62.7	23-115				
Pyrene	0.527	0.0416	"	0.831		63.4	24-130				
Surrogate: SURR: 2-Fluorophenol	*1.03*		*"*	*1.66*		*62.1*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.01*		*"*	*1.66*		*60.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.674*		*"*	*0.831*		*81.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.547*		*"*	*0.831*		*65.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.38*		*"*	*1.66*		*83.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.574*		*"*	*0.831*		*69.2*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12714 - EPA 3546 SVOA

Matrix Spike (BL12714-MS1) Matrix Spike *Source sample: 21L0910-09 (EP05_0-2) Prepared: 12/23/2021 Analyzed: 12/24/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.895	0.0860	mg/kg dry	0.859	ND	104	10-130				
1,2,4,5-Tetrachlorobenzene	0.213	0.172	"	0.859	ND	24.8	10-133				
1,2,4-Trichlorobenzene	0.206	0.0860	"	0.859	ND	24.0	10-127				
1,2-Dichlorobenzene	0.206	0.0860	"	0.859	ND	23.9	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.192	0.0860	"	0.859	ND	22.4	10-144				
1,3-Dichlorobenzene	0.180	0.0860	"	0.859	ND	21.0	11-111				
1,4-Dichlorobenzene	0.188	0.0860	"	0.859	ND	21.9	10-106				
2,3,4,6-Tetrachlorophenol	ND	0.172	"	0.859	ND		30-130	Low Bias			
2,4,5-Trichlorophenol	0.140	0.0860	"	0.859	ND	16.2	10-127				
2,4,6-Trichlorophenol	0.177	0.0860	"	0.859	ND	20.6	10-132				
2,4-Dichlorophenol	0.219	0.0860	"	0.859	ND	25.4	10-128				
2,4-Dimethylphenol	0.155	0.0860	"	0.859	ND	18.0	10-137				
2,4-Dinitrophenol	0.419	0.172	"	0.859	ND	48.8	10-171				
2,4-Dinitrotoluene	0.0756	0.0860	"	0.859	ND	8.80	16-135	Low Bias			
2,6-Dinitrotoluene	0.228	0.0860	"	0.859	ND	26.6	18-131				
2-Chloronaphthalene	0.214	0.0860	"	0.859	ND	25.0	10-129				
2-Chlorophenol	0.186	0.0860	"	0.859	ND	21.7	15-116				
2-Methylnaphthalene	4.31	0.0860	"	0.859	11.7	NR	10-147	Low Bias			
2-Methylphenol	0.201	0.0860	"	0.859	ND	23.4	10-136				
2-Nitroaniline	0.272	0.172	"	0.859	ND	31.7	10-137				
2-Nitrophenol	0.212	0.0860	"	0.859	ND	24.6	10-129				
3- & 4-Methylphenols	0.133	0.0860	"	0.859	ND	15.5	10-123				
3,3-Dichlorobenzidine	0.193	0.0860	"	0.859	ND	22.5	10-155				
3-Nitroaniline	0.272	0.172	"	0.859	ND	31.7	12-133				
4,6-Dinitro-2-methylphenol	ND	0.172	"	0.859	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.213	0.0860	"	0.859	ND	24.8	14-128				
4-Chloro-3-methylphenol	0.258	0.0860	"	0.859	ND	30.1	10-134				
4-Chloroaniline	0.207	0.0860	"	0.859	ND	24.1	10-145				
4-Chlorophenyl phenyl ether	0.234	0.0860	"	0.859	ND	27.3	14-130				
4-Nitroaniline	0.296	0.172	"	0.859	ND	34.5	10-147				
4-Nitrophenol	0.233	0.172	"	0.859	ND	27.1	10-137				
Acenaphthene	5.71	0.0860	"	0.859	16.8	NR	10-146	Low Bias			
Acenaphthylene	1.19	0.0860	"	0.859	2.52	NR	10-134	Low Bias			
Acetophenone	0.223	0.0860	"	0.859	ND	26.0	10-116				
Aniline	ND	0.344	"	0.859	ND		10-123	Low Bias			
Anthracene	2.41	0.0860	"	0.859	6.00	NR	10-142	Low Bias			
Atrazine	0.244	0.0860	"	0.859	ND	28.4	19-115				
Benzaldehyde	0.303	0.0860	"	0.859	ND	35.3	10-125				
Benzo(a)anthracene	1.67	0.0860	"	0.859	3.83	NR	10-158	Low Bias			
Benzo(a)pyrene	0.251	0.0860	"	0.859	3.68	NR	10-180	Low Bias			
Benzo(b)fluoranthene	1.00	0.0860	"	0.859	2.02	NR	10-200	Low Bias			
Benzo(g,h,i)perylene	0.986	0.0860	"	0.859	2.34	NR	10-138	Low Bias			
Benzo(k)fluoranthene	1.18	0.0860	"	0.859	2.56	NR	10-197	Low Bias			
Benzoic acid	0.0784	0.0860	"	0.859	ND	9.12	10-166	Low Bias			
Benzyl alcohol	0.146	0.0860	"	0.859	ND	17.0	12-124				
Benzyl butyl phthalate	0.238	0.0860	"	0.859	0.0510	21.7	10-154				
Bis(2-chloroethoxy)methane	0.201	0.0860	"	0.859	ND	23.4	10-132				
Bis(2-chloroethyl)ether	0.179	0.0860	"	0.859	ND	20.9	10-119				
Bis(2-chloroisopropyl)ether	0.144	0.0860	"	0.859	ND	16.7	10-139				
Bis(2-ethylhexyl)phthalate	0.320	0.0860	"	0.859	0.0819	27.7	10-167				
Caprolactam	0.115	0.172	"	0.859	ND	13.4	10-132				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12714 - EPA 3546 SVOA

Matrix Spike (BL12714-MS1) Matrix Spike *Source sample: 21L0910-09 (EP05_0-2) Prepared: 12/23/2021 Analyzed: 12/24/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Carbazole	0.278	0.0860	mg/kg dry	0.859	0.185	10.8	10-167				
Chrysene	1.75	0.0860	"	0.859	4.03	NR	10-156	Low Bias			
Dibenzo(a,h)anthracene	0.338	0.0860	"	0.859	0.606	NR	10-137	Low Bias			
Dibenzofuran	0.107	0.0860	"	0.859	ND	12.5	10-147				
Diethyl phthalate	0.214	0.0860	"	0.859	ND	24.9	20-120				
Dimethyl phthalate	0.220	0.0860	"	0.859	ND	25.6	18-131				
Di-n-butyl phthalate	0.219	0.0860	"	0.859	ND	25.5	10-137				
Di-n-octyl phthalate	0.237	0.0860	"	0.859	ND	27.6	10-180				
Fluoranthene	3.29	0.0860	"	0.859	9.17	NR	10-160	Low Bias			
Fluorene	2.61	0.0860	"	0.859	6.76	NR	10-157	Low Bias			
Hexachlorobenzene	0.250	0.0860	"	0.859	ND	29.1	10-137				
Hexachlorobutadiene	0.223	0.0860	"	0.859	ND	26.0	10-132				
Hexachlorocyclopentadiene	ND	0.0860	"	0.859	ND		10-106	Low Bias			
Hexachloroethane	0.249	0.0860	"	0.859	ND	29.0	10-110				
Indeno(1,2,3-cd)pyrene	1.06	0.0860	"	0.859	1.94	NR	10-144	Low Bias			
Isophorone	0.214	0.0860	"	0.859	ND	25.0	10-132				
Naphthalene	15.3	0.0860	"	0.859	31.5	NR	10-141	Low Bias			
Nitrobenzene	0.220	0.0860	"	0.859	ND	25.6	10-131				
N-Nitrosodimethylamine	0.129	0.0860	"	0.859	ND	15.0	10-126				
N-nitroso-di-n-propylamine	0.186	0.0860	"	0.859	ND	21.7	10-125				
N-Nitrosodiphenylamine	0.0804	0.0860	"	0.859	ND	9.36	10-177	Low Bias			
Pentachlorophenol	ND	0.0860	"	0.859	ND		10-153	Low Bias			
Phenanthrene	6.73	0.0860	"	0.859	19.3	NR	10-148	Low Bias			
Phenol	0.183	0.0860	"	0.859	ND	21.3	10-126				
Pyrene	4.13	0.0860	"	0.859	11.2	NR	10-165	Low Bias			
Surrogate: SURR: 2-Fluorophenol	*0.289*		*"*	*1.72*		*16.8*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.307*		*"*	*1.72*		*17.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.223*		*"*	*0.859*		*26.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.225*		*"*	*0.859*		*26.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.368*		*"*	*1.72*		*21.4*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.226*		*"*	*0.859*		*26.3*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12714 - EPA 3546 SVOA

Matrix Spike Dup (BL12714-M Matrix Spike Dup *Source sample: 21L0910-09 (EP05_0-2) Prepared: 12/23/2021 Analyzed: 12/24/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	2.20	0.0860	mg/kg dry	0.859	ND	256	10-130	High Bias	84.2	30	Non-dir.
1,2,4,5-Tetrachlorobenzene	0.341	0.172	"	0.859	ND	39.7	10-133		46.2	30	Non-dir.
1,2,4-Trichlorobenzene	0.307	0.0860	"	0.859	ND	35.8	10-127		39.4	30	Non-dir.
1,2-Dichlorobenzene	0.284	0.0860	"	0.859	ND	33.0	14-111		32.0	30	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	0.342	0.0860	"	0.859	ND	39.8	10-144		55.9	30	Non-dir.
1,3-Dichlorobenzene	0.249	0.0860	"	0.859	ND	29.0	11-111		32.3	30	Non-dir.
1,4-Dichlorobenzene	0.261	0.0860	"	0.859	ND	30.4	10-106		32.4	30	Non-dir.
2,3,4,6-Tetrachlorophenol	0.284	0.172	"	0.859	ND	33.0	30-130			30	
2,4,5-Trichlorophenol	0.260	0.0860	"	0.859	ND	30.3	10-127		60.5	30	Non-dir.
2,4,6-Trichlorophenol	0.269	0.0860	"	0.859	ND	31.3	10-132		41.4	30	Non-dir.
2,4-Dichlorophenol	0.397	0.0860	"	0.859	ND	46.2	10-128		58.0	30	Non-dir.
2,4-Dimethylphenol	0.330	0.0860	"	0.859	ND	38.4	10-137		72.3	30	Non-dir.
2,4-Dinitrophenol	1.27	0.172	"	0.859	ND	148	10-171		101	30	Non-dir.
2,4-Dinitrotoluene	0.231	0.0860	"	0.859	ND	26.9	16-135		101	30	Non-dir.
2,6-Dinitrotoluene	0.328	0.0860	"	0.859	ND	38.2	18-131		35.8	30	Non-dir.
2-Chloronaphthalene	0.331	0.0860	"	0.859	ND	38.6	10-129		42.8	30	Non-dir.
2-Chlorophenol	0.278	0.0860	"	0.859	ND	32.3	15-116		39.4	30	Non-dir.
2-Methylnaphthalene	12.2	0.0860	"	0.859	11.7	55.2	10-147		95.4	30	Non-dir.
2-Methylphenol	0.331	0.0860	"	0.859	ND	38.5	10-136		48.9	30	Non-dir.
2-Nitroaniline	ND	0.172	"	0.859	ND		10-137	Low Bias		30	
2-Nitrophenol	0.375	0.0860	"	0.859	ND	43.7	10-129		55.7	30	Non-dir.
3- & 4-Methylphenols	0.243	0.0860	"	0.859	ND	28.3	10-123		58.4	30	Non-dir.
3,3-Dichlorobenzidine	0.253	0.0860	"	0.859	ND	29.4	10-155		26.8	30	
3-Nitroaniline	ND	0.172	"	0.859	ND		12-133	Low Bias		30	
4,6-Dinitro-2-methylphenol	0.193	0.172	"	0.859	ND	22.5	10-155			30	
4-Bromophenyl phenyl ether	0.366	0.0860	"	0.859	ND	42.6	14-128		52.9	30	Non-dir.
4-Chloro-3-methylphenol	0.311	0.0860	"	0.859	ND	36.2	10-134		18.4	30	
4-Chloroaniline	0.229	0.0860	"	0.859	ND	26.6	10-145		10.1	30	
4-Chlorophenyl phenyl ether	0.342	0.0860	"	0.859	ND	39.8	14-130		37.2	30	Non-dir.
4-Nitroaniline	0.284	0.172	"	0.859	ND	33.0	10-147		4.27	30	
4-Nitrophenol	0.142	0.172	"	0.859	ND	16.6	10-137		48.4	30	Non-dir.
Acenaphthene	17.0	0.0860	"	0.859	16.8	14.1	10-146		99.3	30	Non-dir.
Acenaphthylene	2.79	0.0860	"	0.859	2.52	30.7	10-134		80.5	30	Non-dir.
Acetophenone	0.348	0.0860	"	0.859	ND	40.6	10-116		43.8	30	Non-dir.
Aniline	ND	0.344	"	0.859	ND		10-123	Low Bias		30	
Anthracene	6.78	0.0860	"	0.859	6.00	90.2	10-142		95.1	30	Non-dir.
Atrazine	0.377	0.0860	"	0.859	ND	43.9	19-115		42.9	30	Non-dir.
Benzaldehyde	0.692	0.0860	"	0.859	ND	80.6	10-125		78.2	30	Non-dir.
Benzo(a)anthracene	4.13	0.0860	"	0.859	3.83	35.2	10-158		84.8	30	Non-dir.
Benzo(a)pyrene	4.11	0.0860	"	0.859	3.68	49.5	10-180		177	30	Non-dir.
Benzo(b)fluoranthene	2.31	0.0860	"	0.859	2.02	33.2	10-200		78.7	30	Non-dir.
Benzo(g,h,i)perylene	2.38	0.0860	"	0.859	2.34	4.90	10-138	Low Bias	83.0	30	Non-dir.
Benzo(k)fluoranthene	2.88	0.0860	"	0.859	2.56	36.9	10-197		83.5	30	Non-dir.
Benzoic acid	0.212	0.0860	"	0.859	ND	24.7	10-166		92.2	30	Non-dir.
Benzyl alcohol	0.258	0.0860	"	0.859	ND	30.0	12-124		55.1	30	Non-dir.
Benzyl butyl phthalate	0.346	0.0860	"	0.859	0.0510	34.3	10-154		37.0	30	Non-dir.
Bis(2-chloroethoxy)methane	0.282	0.0860	"	0.859	ND	32.9	10-132		33.9	30	Non-dir.
Bis(2-chloroethyl)ether	0.263	0.0860	"	0.859	ND	30.6	10-119		37.9	30	Non-dir.
Bis(2-chloroisopropyl)ether	0.212	0.0860	"	0.859	ND	24.7	10-139		38.6	30	Non-dir.
Bis(2-ethylhexyl)phthalate	1.27	0.0860	"	0.859	0.0819	138	10-167		119	30	Non-dir.
Caprolactam	0.527	0.172	"	0.859	ND	61.4	10-132		128	30	Non-dir.

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12714 - EPA 3546 SVOA

Matrix Spike Dup (BL12714-M Matrix Spike Dup *Source sample: 21L0910-09 (EP05_0-2) Prepared: 12/23/2021 Analyzed: 12/24/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Carbazole	0.496	0.0860	mg/kg dry	0.859	0.185	36.3	10-167		56.5	30	Non-dir.
Chrysene	4.33	0.0860	"	0.859	4.03	34.3	10-156		84.7	30	Non-dir.
Dibenzo(a,h)anthracene	0.902	0.0860	"	0.859	0.606	34.5	10-137		91.0	30	Non-dir.
Dibenzofuran	1.01	0.0860	"	0.859	ND	117	10-147		162	30	Non-dir.
Diethyl phthalate	0.332	0.0860	"	0.859	ND	38.6	20-120		43.3	30	Non-dir.
Dimethyl phthalate	0.320	0.0860	"	0.859	ND	37.3	18-131		37.2	30	Non-dir.
Di-n-butyl phthalate	0.346	0.0860	"	0.859	ND	40.3	10-137		45.0	30	Non-dir.
Di-n-octyl phthalate	0.364	0.0860	"	0.859	ND	42.4	10-180		42.3	30	Non-dir.
Fluoranthene	8.88	0.0860	"	0.859	9.17	NR	10-160	Low Bias	91.8	30	Non-dir.
Fluorene	7.72	0.0860	"	0.859	6.76	111	10-157		98.9	30	Non-dir.
Hexachlorobenzene	0.368	0.0860	"	0.859	ND	42.8	10-137		38.0	30	Non-dir.
Hexachlorobutadiene	0.340	0.0860	"	0.859	ND	39.6	10-132		41.5	30	Non-dir.
Hexachlorocyclopentadiene	ND	0.0860	"	0.859	ND		10-106	Low Bias		30	
Hexachloroethane	0.547	0.0860	"	0.859	ND	63.7	10-110		74.7	30	Non-dir.
Indeno(1,2,3-cd)pyrene	2.12	0.0860	"	0.859	1.94	21.3	10-144		66.6	30	Non-dir.
Isophorone	0.278	0.0860	"	0.859	ND	32.4	10-132		25.9	30	
Naphthalene	33.6	0.0860	"	0.859	31.5	238	10-141	High Bias	74.8	30	Non-dir.
Nitrobenzene	0.351	0.0860	"	0.859	ND	40.8	10-131		45.8	30	Non-dir.
N-Nitrosodimethylamine	0.201	0.0860	"	0.859	ND	23.4	10-126		43.7	30	Non-dir.
N-nitroso-di-n-propylamine	0.283	0.0860	"	0.859	ND	33.0	10-125		41.3	30	Non-dir.
N-Nitrosodiphenylamine	0.324	0.0860	"	0.859	ND	37.7	10-177		120	30	Non-dir.
Pentachlorophenol	ND	0.0860	"	0.859	ND		10-153	Low Bias		30	
Phenanthrene	19.6	0.0860	"	0.859	19.3	32.9	10-148		97.6	30	Non-dir.
Phenol	0.285	0.0860	"	0.859	ND	33.1	10-126		43.5	30	Non-dir.
Pyrene	10.8	0.0860	"	0.859	11.2	NR	10-165	Low Bias	89.6	30	Non-dir.
Surrogate: SURR: 2-Fluorophenol	*0.434*		*"*	*1.72*		*25.3*	*20-108*				
Surrogate: SURR: Phenol-d5	*0.480*		*"*	*1.72*		*28.0*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.337*		*"*	*0.859*		*39.3*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.311*		*"*	*0.859*		*36.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.694*		*"*	*1.72*		*40.4*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.336*		*"*	*0.859*		*39.1*	*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
Batch BL12957 - EPA 3546 SVOA											
Blank (BL12957-BLK1) Blank									Prepared & Analyzed: 12/29/2021		
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								

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 BL12957 - EPA 3546 SVOA											
Blank (BL12957-BLK1) Blank								Prepared & Analyzed: 12/29/2021			
Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	*1.57*		*"*	*1.66*		*94.5*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.48*		*"*	*1.66*		*89.0*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*1.01*		*"*	*0.831*		*122*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.788*		*"*	*0.831*		*94.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.12*		*"*	*1.66*		*128*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.882*		*"*	*0.831*		*106*	*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 BL12957 - EPA 3546 SVOA											
LCS (BL12957-BS1) LCS							Prepared & Analyzed: 12/29/2021				
1,1-Biphenyl	0.557	0.0416	mg/kg wet	0.831		67.0	18-111				
1,2,4,5-Tetrachlorobenzene	0.820	0.0830	"	0.831		98.7	21-131				
1,2,4-Trichlorobenzene	0.741	0.0416	"	0.831		89.2	10-140				
1,2-Dichlorobenzene	0.680	0.0416	"	0.831		81.8	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.636	0.0416	"	0.831		76.5	17-137				
1,3-Dichlorobenzene	0.683	0.0416	"	0.831		82.2	33-110				
1,4-Dichlorobenzene	0.691	0.0416	"	0.831		83.2	32-104				
2,3,4,6-Tetrachlorophenol	0.837	0.0830	"	0.831		101	30-130				
2,4,5-Trichlorophenol	0.853	0.0416	"	0.831		103	27-118				
2,4,6-Trichlorophenol	0.806	0.0416	"	0.831		97.0	31-120				
2,4-Dichlorophenol	0.820	0.0416	"	0.831		98.8	20-127				
2,4-Dimethylphenol	0.815	0.0416	"	0.831		98.1	14-132				
2,4-Dinitrophenol	1.67	0.0830	"	0.831		201	10-171	High Bias			
2,4-Dinitrotoluene	1.17	0.0416	"	0.831		141	34-131	High Bias			
2,6-Dinitrotoluene	1.16	0.0416	"	0.831		140	31-128	High Bias			
2-Chloronaphthalene	0.722	0.0416	"	0.831		87.0	31-117				
2-Chlorophenol	0.741	0.0416	"	0.831		89.2	33-113				
2-Methylnaphthalene	0.740	0.0416	"	0.831		89.0	12-138				
2-Methylphenol	0.715	0.0416	"	0.831		86.0	10-136				
2-Nitroaniline	0.995	0.0830	"	0.831		120	27-132				
2-Nitrophenol	1.21	0.0416	"	0.831		145	17-129	High Bias			
3- & 4-Methylphenols	0.635	0.0416	"	0.831		76.4	29-103				
3,3-Dichlorobenzidine	1.26	0.0416	"	0.831		151	22-149	High Bias			
3-Nitroaniline	0.767	0.0830	"	0.831		92.4	20-133				
4,6-Dinitro-2-methylphenol	1.58	0.0830	"	0.831		190	10-143	High Bias			
4-Bromophenyl phenyl ether	0.797	0.0416	"	0.831		96.0	29-120				
4-Chloro-3-methylphenol	0.753	0.0416	"	0.831		90.7	24-129				
4-Chloroaniline	0.404	0.0416	"	0.831		48.6	10-132				
4-Chlorophenyl phenyl ether	0.706	0.0416	"	0.831		85.0	27-124				
4-Nitroaniline	0.840	0.0830	"	0.831		101	16-128				
4-Nitrophenol	0.847	0.0830	"	0.831		102	10-141				
Acenaphthene	0.683	0.0416	"	0.831		82.2	30-121				
Acenaphthylene	0.725	0.0416	"	0.831		87.3	30-115				
Acetophenone	0.538	0.0416	"	0.831		64.8	20-112				
Aniline	0.697	0.166	"	0.831		84.0	10-119				
Anthracene	0.735	0.0416	"	0.831		88.4	34-118				
Atrazine	0.710	0.0416	"	0.831		85.5	26-112				
Benzaldehyde	0.577	0.0416	"	0.831		69.5	21-100				
Benzo(a)anthracene	0.762	0.0416	"	0.831		91.8	32-122				
Benzo(a)pyrene	0.841	0.0416	"	0.831		101	29-133				
Benzo(b)fluoranthene	0.787	0.0416	"	0.831		94.7	25-133				
Benzo(g,h,i)perylene	0.804	0.0416	"	0.831		96.8	10-143				
Benzo(k)fluoranthene	0.755	0.0416	"	0.831		91.0	25-128				
Benzoic acid	0.631	0.0416	"	0.831		76.0	10-140				
Benzyl alcohol	0.678	0.0416	"	0.831		81.7	30-115				
Benzyl butyl phthalate	0.822	0.0416	"	0.831		99.0	26-126				
Bis(2-chloroethoxy)methane	0.690	0.0416	"	0.831		83.0	19-132				
Bis(2-chloroethyl)ether	0.622	0.0416	"	0.831		74.9	19-125				
Bis(2-chloroisopropyl)ether	0.547	0.0416	"	0.831		65.8	20-135				
Bis(2-ethylhexyl)phthalate	0.850	0.0416	"	0.831		102	10-155				
Caprolactam	0.647	0.0830	"	0.831		77.9	10-127				

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 BL12957 - EPA 3546 SVOA											
LCS (BL12957-BS1) LCS							Prepared & Analyzed: 12/29/2021				
Carbazole	0.752	0.0416	mg/kg wet	0.831		90.6	35-123				
Chrysene	0.734	0.0416	"	0.831		88.3	32-123				
Dibenzo(a,h)anthracene	0.837	0.0416	"	0.831		101	10-136				
Dibenzofuran	0.711	0.0416	"	0.831		85.6	29-121				
Diethyl phthalate	0.709	0.0416	"	0.831		85.4	34-116				
Dimethyl phthalate	0.706	0.0416	"	0.831		85.0	35-124				
Di-n-butyl phthalate	0.780	0.0416	"	0.831		93.9	31-116				
Di-n-octyl phthalate	0.826	0.0416	"	0.831		99.5	26-136				
Fluoranthene	0.737	0.0416	"	0.831		88.7	33-122				
Fluorene	0.698	0.0416	"	0.831		84.0	29-123				
Hexachlorobenzene	0.656	0.0416	"	0.831		79.0	21-124				
Hexachlorobutadiene	0.770	0.0416	"	0.831		92.8	10-149				
Hexachlorocyclopentadiene	0.827	0.0416	"	0.831		99.5	10-129				
Hexachloroethane	0.690	0.0416	"	0.831		83.0	28-108				
Indeno(1,2,3-cd)pyrene	0.807	0.0416	"	0.831		97.1	10-135				
Isophorone	0.686	0.0416	"	0.831		82.6	20-132				
Naphthalene	0.734	0.0416	"	0.831		88.4	23-124				
Nitrobenzene	0.864	0.0416	"	0.831		104	13-132				
N-Nitrosodimethylamine	0.607	0.0416	"	0.831		73.1	11-129				
N-nitroso-di-n-propylamine	0.577	0.0416	"	0.831		69.5	24-119				
N-Nitrosodiphenylamine	0.850	0.0416	"	0.831		102	22-152				
Pentachlorophenol	0.891	0.0416	"	0.831		107	10-139				
Phenanthrene	0.703	0.0416	"	0.831		84.6	33-123				
Phenol	0.689	0.0416	"	0.831		83.0	23-115				
Pyrene	0.769	0.0416	"	0.831		92.6	24-130				
Surrogate: SURR: 2-Fluorophenol	*1.39*		*"*	*1.66*		*83.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.30*		*"*	*1.66*		*78.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.878*		*"*	*0.831*		*106*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.666*		*"*	*0.831*		*80.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.84*		*"*	*1.66*		*111*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.744*		*"*	*0.831*		*89.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - 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 BL12537 - EPA 3535A												
Blank (BL12537-BLK1)	Blank								Prepared & Analyzed: 12/21/2021			
1,4-Dioxane		ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8		*3.36*		*"*	*4.00*		*84.0*	*36.6-118*				
LCS (BL12537-BS1)	LCS								Prepared & Analyzed: 12/21/2021			
1,4-Dioxane		3.23	0.300	ug/L	4.00		80.8	50-130				
Surrogate: 1,4-Dioxane-d8		*3.36*		*"*	*4.00*		*84.0*	*36.6-118*				
Matrix Spike (BL12537-MS1)	Matrix Spike	*Source sample: 21L0911-02 (Matrix Spike)							Prepared & Analyzed: 12/21/2021			
1,4-Dioxane		3.76	0.300	ug/L	4.00	ND	94.0	50-130				
Surrogate: 1,4-Dioxane-d8		*2.72*		*"*	*4.00*		*68.0*	*50-130*				
Matrix Spike Dup (BL12537-M	Matrix Spike Dup	*Source sample: 21L0911-02 (Matrix Spike Dup)							Prepared & Analyzed: 12/21/2021			
1,4-Dioxane		3.74	0.300	ug/L	4.00	ND	93.6	50-130		0.426	30	
Surrogate: 1,4-Dioxane-d8		*2.56*		*"*	*4.00*		*64.0*	*50-130*				
Batch BL12661 - EPA 3550C												
Blank (BL12661-BLK1)	Blank								Prepared: 12/22/2021 Analyzed: 12/23/2021			
1,4-Dioxane		ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8		*436*		*"*	*495*		*88.0*	*39-127.5*				
LCS (BL12661-BS1)	LCS								Prepared: 12/22/2021 Analyzed: 12/23/2021			
1,4-Dioxane		463	19.8	ug/kg	495		93.6	40-130				
Surrogate: 1,4-Dioxane-d8		*307*		*"*	*495*		*62.0*	*39-127.5*				
Matrix Spike (BL12661-MS1)	Matrix Spike	*Source sample: 21L0816-03 (Matrix Spike)							Prepared: 12/22/2021 Analyzed: 12/23/2021			
1,4-Dioxane		453	19.8	ug/kg	495	ND	91.6	40-130				
Surrogate: 1,4-Dioxane-d8		*238*		*"*	*495*		*48.0*	*40-130*				

Semivolatile Organic Compounds by GC/MS/SIM - 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 BL12661 - EPA 3550C											
Matrix Spike Dup (BL12661-M Matrix Spike Dup	*Source sample: 21L0816-03 (Matrix Spike Dup)							Prepared: 12/22/2021 Analyzed: 12/23/2021			
1,4-Dioxane	422	19.8	ug/kg	495	ND	85.2	40-130		7.24	30	
Surrogate: 1,4-Dioxane-d8	*337*		*"*	*495*		*68.0*	*40-130*				
Batch BL12786 - EPA 3550C											
Blank (BL12786-BLK1) Blank								Prepared & Analyzed: 12/27/2021			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*307*		*"*	*495*		*62.0*	*39-127.5*				
LCS (BL12786-BS1) LCS								Prepared & Analyzed: 12/27/2021			
1,4-Dioxane	459	19.8	ug/kg	495		92.8	40-130				
Surrogate: 1,4-Dioxane-d8	*277*		*"*	*495*		*56.0*	*39-127.5*				
Matrix Spike (BL12786-MS1) Matrix Spike	*Source sample: 21L0910-09 (EP05_0-2)							Prepared & Analyzed: 12/27/2021			
1,4-Dioxane	495	19.8	ug/kg	495	ND	100	40-130				
Surrogate: 1,4-Dioxane-d8	*238*		*"*	*495*		*48.0*	*40-130*				
Matrix Spike (BL12786-MS2) Matrix Spike	*Source sample: 21L0910-10 (EP14_0-2)							Prepared & Analyzed: 12/27/2021			
1,4-Dioxane	403	19.8	ug/kg	495	ND	81.4	40-130				
Surrogate: 1,4-Dioxane-d8	*267*		*"*	*495*		*54.0*	*40-130*				
Matrix Spike Dup (BL12786-M Matrix Spike Dup	*Source sample: 21L0910-09 (EP05_0-2)							Prepared & Analyzed: 12/27/2021			
1,4-Dioxane	459	19.8	ug/kg	495	ND	92.8	40-130		7.47	30	
Surrogate: 1,4-Dioxane-d8	*277*		*"*	*495*		*56.0*	*40-130*				
Matrix Spike Dup (BL12786-M Matrix Spike Dup	*Source sample: 21L0910-10 (EP14_0-2)							Prepared & Analyzed: 12/27/2021			
1,4-Dioxane	453	19.8	ug/kg	495	ND	91.6	40-130		11.8	30	
Surrogate: 1,4-Dioxane-d8	*238*		*"*	*495*		*48.0*	*40-130*				

PFAS Target compounds by LC/MS-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 BL12336 - SPE Ext-PFAS-EPA 537.1M											
Blank (BL12336-BLK1) Blank								Prepared: 12/17/2021 Analyzed: 12/20/2021			
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*67.1*		*"*	*74.3*		*90.3*	*25-150*				
Surrogate: M5PFHxA	*66.5*		*"*	*80.0*		*83.1*	*25-150*				
Surrogate: M4PFHpA	*79.5*		*"*	*80.0*		*99.4*	*25-150*				
Surrogate: M3PFHxS	*72.6*		*"*	*75.7*		*95.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.4*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M6PFDA	*77.9*		*"*	*80.0*		*97.4*	*25-150*				
Surrogate: M7PFUdA	*62.0*		*"*	*80.0*		*77.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*70.9*		*"*	*80.0*		*88.6*	*25-150*				
Surrogate: M2PFTeDA	*48.3*		*"*	*80.0*		*60.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*65.6*		*"*	*80.0*		*82.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.0*		*"*	*76.6*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*65.4*		*"*	*80.0*		*81.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*39.0*		*"*	*80.0*		*48.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*63.9*		*"*	*80.0*		*79.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*67.9*		*"*	*80.0*		*84.8*	*25-150*				
Surrogate: M2-6:2 FTS	*54.3*		*"*	*75.9*		*71.5*	*25-200*				
Surrogate: M2-8:2 FTS	*60.3*		*"*	*76.6*		*78.7*	*25-200*				
Surrogate: M9PFNA	*64.6*		*"*	*80.0*		*80.8*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12336 - SPE Ext-PFAS-EPA 537.1M

LCS (BL12336-BS1) LCS — Prepared: 12/17/2021 Analyzed: 12/20/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	67.5	2.00	ng/L	70.8		95.3	50-130				
Perfluorohexanoic acid (PFHxA)	75.4	2.00	"	80.0		94.2	50-130				
Perfluoroheptanoic acid (PFHpA)	64.4	2.00	"	80.0		80.5	50-130				
Perfluorohexanesulfonic acid (PFHxS)	68.6	2.00	"	72.8		94.2	50-130				
Perfluorooctanoic acid (PFOA)	77.2	2.00	"	80.0		96.5	50-130				
Perfluorooctanesulfonic acid (PFOS)	79.8	2.00	"	74.0		108	50-130				
Perfluorononanoic acid (PFNA)	73.3	2.00	"	80.0		91.7	50-130				
Perfluorodecanoic acid (PFDA)	73.6	2.00	"	80.0		92.0	50-130				
Perfluoroundecanoic acid (PFUnA)	64.5	2.00	"	80.0		80.6	50-130				
Perfluorododecanoic acid (PFDoA)	79.8	2.00	"	80.0		99.8	50-130				
Perfluorotridecanoic acid (PFTrDA)	54.0	2.00	"	80.0		67.5	50-130				
Perfluorotetradecanoic acid (PFTA)	90.6	2.00	"	80.0		113	50-130				
N-MeFOSAA	87.1	2.00	"	80.0		109	50-130				
N-EtFOSAA	85.1	2.00	"	80.0		106	50-130				
Perfluoropentanoic acid (PFPeA)	76.1	2.00	"	80.0		95.1	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	89.1	2.00	"	80.0		111	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	74.5	2.00	"	76.4		97.5	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	76.0	2.00	"	77.2		98.5	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	76.4	5.00	"	76.0		101	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	85.5	2.00	"	76.8		111	50-175				
Perfluoro-n-butanoic acid (PFBA)	81.5	2.00	"	80.0		102	50-130				
Surrogate: M3PFBS	*85.1*		*"*	*74.3*		*115*	*25-150*				
Surrogate: M5PFHxA	*78.1*		*"*	*80.0*		*97.7*	*25-150*				
Surrogate: M4PFHpA	*95.6*		*"*	*80.0*		*119*	*25-150*				
Surrogate: M3PFHxS	*84.2*		*"*	*75.7*		*111*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.8*		*"*	*80.0*		*106*	*25-150*				
Surrogate: M6PFDA	*86.6*		*"*	*80.0*		*108*	*25-150*				
Surrogate: M7PFUdA	*69.8*		*"*	*80.0*		*87.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*86.0*		*"*	*80.0*		*107*	*25-150*				
Surrogate: M2PFTeDA	*52.0*		*"*	*80.0*		*65.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*74.8*		*"*	*80.0*		*93.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*89.0*		*"*	*76.6*		*116*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.1*		*"*	*80.0*		*96.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.2*		*"*	*80.0*		*40.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*59.9*		*"*	*80.0*		*74.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*59.8*		*"*	*80.0*		*74.7*	*25-150*				
Surrogate: M2-6:2 FTS	*75.9*		*"*	*75.9*		*99.9*	*25-200*				
Surrogate: M2-8:2 FTS	*62.5*		*"*	*76.6*		*81.6*	*25-200*				
Surrogate: M9PFNA	*80.7*		*"*	*80.0*		*101*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12336 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BL12336-MS1) Matrix Spike *Source sample: 21L0804-01 (Matrix Spike) Prepared: 12/17/2021 Analyzed: 12/20/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	70.6	1.85	ng/L	65.6	5.66	99.1	25-150				
Perfluorohexanoic acid (PFHxA)	81.4	1.85	"	74.1	7.52	99.7	25-150				
Perfluoroheptanoic acid (PFHpA)	116	1.85	"	74.1	9.74	144	25-150				
Perfluorohexanesulfonic acid (PFHxS)	57.1	1.85	"	67.4	1.12	83.0	25-150				
Perfluorooctanoic acid (PFOA)	92.7	1.85	"	74.1	43.1	66.9	25-150				
Perfluorooctanesulfonic acid (PFOS)	81.3	1.85	"	68.5	6.56	109	25-150				
Perfluorononanoic acid (PFNA)	68.3	1.85	"	74.1	0.931	90.9	25-150				
Perfluorodecanoic acid (PFDA)	67.1	1.85	"	74.1	ND	90.5	25-150				
Perfluoroundecanoic acid (PFUnA)	76.1	1.85	"	74.1	ND	103	25-150				
Perfluorododecanoic acid (PFDoA)	71.9	1.85	"	74.1	ND	97.0	25-150				
Perfluorotridecanoic acid (PFTrDA)	56.0	1.85	"	74.1	ND	75.6	25-150				
Perfluorotetradecanoic acid (PFTA)	80.2	1.85	"	74.1	ND	108	25-150				
N-MeFOSAA	85.5	1.85	"	74.1	ND	115	25-150				
N-EtFOSAA	71.9	1.85	"	74.1	ND	97.0	25-150				
Perfluoropentanoic acid (PFPeA)	80.7	1.85	"	74.1	11.0	94.1	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	89.3	1.85	"	74.1	ND	121	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	71.3	1.85	"	70.7	0.886	99.5	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	74.0	1.85	"	71.5	ND	104	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	64.9	4.63	"	70.4	ND	92.2	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	58.4	1.85	"	71.1	ND	82.1	25-200				
Perfluoro-n-butanoic acid (PFBA)	82.6	1.85	"	74.1	13.9	92.8	25-150				
Surrogate: M3PFBS	*52.1*		*"*	*68.8*		*75.7*	*25-150*				
Surrogate: M5PFHxA	*51.1*		*"*	*74.1*		*69.0*	*25-150*				
Surrogate: M4PFHpA	*37.6*		*"*	*74.1*		*50.7*	*25-150*				
Surrogate: M3PFHxS	*63.6*		*"*	*70.1*		*90.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.9*		*"*	*74.1*		*113*	*25-150*				
Surrogate: M6PFDA	*80.8*		*"*	*74.1*		*109*	*25-150*				
Surrogate: M7PFUdA	*66.8*		*"*	*74.1*		*90.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*65.8*		*"*	*74.1*		*88.8*	*25-150*				
Surrogate: M2PFTeDA	*54.5*		*"*	*74.1*		*73.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*51.6*		*"*	*74.1*		*69.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*70.0*		*"*	*70.9*		*98.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*45.5*		*"*	*74.1*		*61.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.84*		*"*	*74.1*		*6.54*	*10-150*				
Surrogate: d3-N-MeFOSAA	*59.3*		*"*	*74.1*		*80.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*68.1*		*"*	*74.1*		*92.0*	*25-150*				
Surrogate: M2-6:2 FTS	*103*		*"*	*70.3*		*147*	*25-200*				
Surrogate: M2-8:2 FTS	*108*		*"*	*71.0*		*152*	*25-200*				
Surrogate: M9PFNA	*72.4*		*"*	*74.1*		*97.7*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12336 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike Dup (BL12336-M Matrix Spike Dup *Source sample: 21L0804-01 (Matrix Spike Dup) Prepared: 12/17/2021 Analyzed: 12/20/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	72.5	1.92	ng/L	68.1	5.66	98.2	25-150		2.69	35	
Perfluorohexanoic acid (PFHxA)	83.9	1.92	"	76.9	7.52	99.3	25-150		3.06	35	
Perfluoroheptanoic acid (PFHpA)	118	1.92	"	76.9	9.74	141	25-150		1.94	35	
Perfluorohexanesulfonic acid (PFHxS)	70.0	1.92	"	70.0	1.12	98.4	25-150		20.3	35	
Perfluorooctanoic acid (PFOA)	116	1.92	"	76.9	43.1	94.6	25-150		22.3	35	
Perfluorooctanesulfonic acid (PFOS)	86.8	1.92	"	71.2	6.56	113	25-150		6.59	35	
Perfluorononanoic acid (PFNA)	72.2	1.92	"	76.9	0.931	92.6	25-150		5.58	35	
Perfluorodecanoic acid (PFDA)	82.9	1.92	"	76.9	ND	108	25-150		21.2	35	
Perfluoroundecanoic acid (PFUnA)	79.8	1.92	"	76.9	ND	104	25-150		4.71	35	
Perfluorododecanoic acid (PFDoA)	83.5	1.92	"	76.9	ND	109	25-150		15.0	35	
Perfluorotridecanoic acid (PFTrDA)	73.3	1.92	"	76.9	ND	95.3	25-150		26.7	35	
Perfluorotetradecanoic acid (PFTA)	84.0	1.92	"	76.9	ND	109	25-150		4.64	35	
N-MeFOSAA	90.4	1.92	"	76.9	ND	118	25-150		5.64	35	
N-EtFOSAA	83.5	1.92	"	76.9	ND	108	25-150		14.9	35	
Perfluoropentanoic acid (PFPeA)	83.5	1.92	"	76.9	11.0	94.2	25-150		3.42	35	
Perfluoro-1-octanesulfonamide (FOSA)	93.3	1.92	"	76.9	ND	121	25-150		4.41	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.2	1.92	"	73.5	0.886	105	25-150		9.23	35	
Perfluoro-1-decanesulfonic acid (PFDS)	78.3	1.92	"	74.2	ND	105	25-150		5.62	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	71.3	4.81	"	73.1	ND	97.6	25-200		9.39	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	68.4	1.92	"	73.8	ND	92.7	25-200		15.8	35	
Perfluoro-n-butanoic acid (PFBA)	88.4	1.92	"	76.9	13.9	97.0	25-150		6.88	35	
Surrogate: M3PFBS	*52.5*		*"*	*71.5*		*73.5*	*25-150*				
Surrogate: M5PFHxA	*52.6*		*"*	*76.9*		*68.4*	*25-150*				
Surrogate: M4PFHpA	*40.1*		*"*	*76.9*		*52.1*	*25-150*				
Surrogate: M3PFHxS	*59.5*		*"*	*72.8*		*81.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*74.5*		*"*	*76.9*		*96.8*	*25-150*				
Surrogate: M6PFDA	*70.3*		*"*	*76.9*		*91.4*	*25-150*				
Surrogate: M7PFUdA	*60.6*		*"*	*76.9*		*78.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*55.3*		*"*	*76.9*		*71.9*	*25-150*				
Surrogate: M2PFTeDA	*61.8*		*"*	*76.9*		*80.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*52.3*		*"*	*76.9*		*68.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*69.5*		*"*	*73.6*		*94.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*45.3*		*"*	*76.9*		*58.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*1.46*		*"*	*76.9*		*1.89*	*10-150*				
Surrogate: d3-N-MeFOSAA	*47.9*		*"*	*76.9*		*62.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*48.4*		*"*	*76.9*		*62.9*	*25-150*				
Surrogate: M2-6:2 FTS	*108*		*"*	*73.0*		*149*	*25-200*				
Surrogate: M2-8:2 FTS	*108*		*"*	*73.7*		*147*	*25-200*				
Surrogate: M9PFNA	*76.0*		*"*	*76.9*		*98.8*	*25-150*				

PFAS Target compounds by LC/MS-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 BL12477 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BL12477-BLK1) Blank								Prepared: 12/20/2021 Analyzed: 12/23/2021			
Perfluorobutanesulfonic acid (PFBS)	ND	0.220	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.220	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.220	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.220	"								
Perfluorooctanoic acid (PFOA)	ND	0.220	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.220	"								
Perfluorononanoic acid (PFNA)	ND	0.220	"								
Perfluorodecanoic acid (PFDA)	ND	0.220	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.220	"								
Perfluorododecanoic acid (PFDoA)	ND	0.220	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.220	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.220	"								
N-MeFOSAA	ND	0.220	"								
N-EtFOSAA	ND	0.220	"								
Perfluoropentanoic acid (PFPeA)	ND	0.220	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.220	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.220	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.220	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.220	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.220	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.220	"								
Surrogate: M3PFBS	*3.69*		*"*	*4.09*		*90.2*	*25-150*				
Surrogate: M5PFHxA	*3.71*		*"*	*4.41*		*84.1*	*25-150*				
Surrogate: M4PFHpA	*4.09*		*"*	*4.41*		*92.9*	*25-150*				
Surrogate: M3PFHxS	*3.55*		*"*	*4.17*		*85.3*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.83*		*"*	*4.41*		*86.8*	*25-150*				
Surrogate: M6PFDA	*3.33*		*"*	*4.41*		*75.7*	*25-150*				
Surrogate: M7PFUdA	*3.08*		*"*	*4.41*		*69.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.48*		*"*	*4.41*		*78.9*	*25-150*				
Surrogate: M2PFTeDA	*2.72*		*"*	*4.41*		*61.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.72*		*"*	*4.41*		*84.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.19*		*"*	*4.22*		*75.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.77*		*"*	*4.41*		*85.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.84*		*"*	*4.41*		*64.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.78*		*"*	*4.41*		*63.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.94*		*"*	*4.41*		*66.8*	*25-150*				
Surrogate: M2-6:2 FTS	*3.12*		*"*	*4.18*		*74.6*	*25-200*				
Surrogate: M2-8:2 FTS	*2.29*		*"*	*4.22*		*54.2*	*25-200*				
Surrogate: M9PFNA	*3.04*		*"*	*4.41*		*69.0*	*25-150*				

PFAS Target compounds by LC/MS-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 BL12477 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BL12477-BS1) LCS								Prepared: 12/20/2021 Analyzed: 12/23/2021			
Perfluorobutanesulfonic acid (PFBS)	3.70	0.224	ug/kg wet	3.97		93.3	50-130				
Perfluorohexanoic acid (PFHxA)	4.72	0.224	"	4.49		105	50-130				
Perfluoroheptanoic acid (PFHpA)	4.01	0.224	"	4.49		89.4	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.16	0.224	"	4.08		102	50-130				
Perfluorooctanoic acid (PFOA)	4.17	0.224	"	4.49		93.0	50-130				
Perfluorooctanesulfonic acid (PFOS)	3.97	0.224	"	4.15		95.6	50-130				
Perfluorononanoic acid (PFNA)	4.34	0.224	"	4.49		96.8	50-130				
Perfluorodecanoic acid (PFDA)	4.40	0.224	"	4.49		98.1	50-130				
Perfluoroundecanoic acid (PFUnA)	4.60	0.224	"	4.49		103	50-130				
Perfluorododecanoic acid (PFDoA)	4.54	0.224	"	4.49		101	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.71	0.224	"	4.49		82.7	50-130				
Perfluorotetradecanoic acid (PFTA)	4.93	0.224	"	4.49		110	50-130				
N-MeFOSAA	5.67	0.224	"	4.49		126	50-130				
N-EtFOSAA	4.76	0.224	"	4.49		106	50-130				
Perfluoropentanoic acid (PFPeA)	4.46	0.224	"	4.49		99.5	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.52	0.224	"	4.49		101	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.47	0.224	"	4.29		128	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.77	0.224	"	4.33		110	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	11.5	0.224	"	4.26		269	50-200	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	13.6	0.224	"	4.31		317	50-200	High Bias			
Perfluoro-n-butanoic acid (PFBA)	4.55	0.224	"	4.49		101	50-130				
Surrogate: M3PFBS	*4.04*		*"*	*4.17*		*97.0*	*25-150*				
Surrogate: M5PFHxA	*3.73*		*"*	*4.49*		*83.2*	*25-150*				
Surrogate: M4PFHpA	*4.25*		*"*	*4.49*		*94.7*	*25-150*				
Surrogate: M3PFHxS	*3.69*		*"*	*4.25*		*86.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.03*		*"*	*4.49*		*89.9*	*25-150*				
Surrogate: M6PFDA	*3.23*		*"*	*4.49*		*72.0*	*25-150*				
Surrogate: M7PFUdA	*3.09*		*"*	*4.49*		*68.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.41*		*"*	*4.49*		*76.1*	*25-150*				
Surrogate: M2PFTeDA	*3.28*		*"*	*4.49*		*73.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.80*		*"*	*4.49*		*84.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.16*		*"*	*4.29*		*73.5*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.90*		*"*	*4.49*		*87.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.27*		*"*	*4.49*		*72.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.58*		*"*	*4.49*		*79.7*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.90*		*"*	*4.49*		*64.5*	*25-150*				
Surrogate: M2-6:2 FTS	*2.67*		*"*	*4.26*		*62.6*	*25-200*				
Surrogate: M2-8:2 FTS	*1.98*		*"*	*4.30*		*46.1*	*25-200*				
Surrogate: M9PFNA	*3.18*		*"*	*4.49*		*71.0*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12477 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BL12477-MS1) Matrix Spike *Source sample: 21L0910-09 (EP05_0-2) Prepared: 12/20/2021 Analyzed: 12/23/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.16	0.250	ug/kg dry	4.43	ND	94.0	25-150				
Perfluorohexanoic acid (PFHxA)	5.00	0.250	"	5.00	ND	99.9	25-150				
Perfluoroheptanoic acid (PFHpA)	4.08	0.250	"	5.00	ND	81.5	25-150				
Perfluorohexanesulfonic acid (PFHxS)	3.93	0.250	"	4.55	ND	86.3	25-150				
Perfluorooctanoic acid (PFOA)	4.57	0.250	"	5.00	ND	91.4	25-150				
Perfluorooctanesulfonic acid (PFOS)	3.69	0.250	"	4.63	0.197	75.4	25-150				
Perfluorononanoic acid (PFNA)	4.83	0.250	"	5.00	ND	96.5	25-150				
Perfluorodecanoic acid (PFDA)	5.83	0.250	"	5.00	ND	117	25-150				
Perfluoroundecanoic acid (PFUnA)	4.57	0.250	"	5.00	ND	91.4	25-150				
Perfluorododecanoic acid (PFDoA)	4.54	0.250	"	5.00	ND	90.7	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.28	0.250	"	5.00	ND	85.5	25-150				
Perfluorotetradecanoic acid (PFTA)	5.02	0.250	"	5.00	ND	100	25-150				
N-MeFOSAA	5.92	0.250	"	5.00	ND	118	25-150				
N-EtFOSAA	6.56	0.250	"	5.00	ND	131	25-150				
Perfluoropentanoic acid (PFPeA)	4.62	0.250	"	5.00	0.129	89.8	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.94	0.250	"	5.00	ND	98.7	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.92	0.250	"	4.78	ND	103	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.41	0.250	"	4.83	0.0734	89.8	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	8.82	0.250	"	4.75	0.0972	184	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	13.4	0.250	"	4.80	0.0781	278	25-200	High Bias			
Perfluoro-n-butanoic acid (PFBA)	4.95	0.250	"	5.00	ND	99.0	25-150				
Surrogate: M3PFBS	*4.44*		*"*	*4.65*		*95.5*	*25-150*				
Surrogate: M5PFHxA	*4.52*		*"*	*5.00*		*90.3*	*25-150*				
Surrogate: M4PFHpA	*5.23*		*"*	*5.00*		*105*	*25-150*				
Surrogate: M3PFHxS	*4.63*		*"*	*4.73*		*97.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.93*		*"*	*5.00*		*98.7*	*25-150*				
Surrogate: M6PFDA	*3.50*		*"*	*5.00*		*70.0*	*25-150*				
Surrogate: M7PFUdA	*3.97*		*"*	*5.00*		*79.3*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*4.01*		*"*	*5.00*		*80.1*	*25-150*				
Surrogate: M2PFTeDA	*3.53*		*"*	*5.00*		*70.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.40*		*"*	*5.00*		*88.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.87*		*"*	*4.79*		*81.0*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.61*		*"*	*5.00*		*92.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.74*		*"*	*5.00*		*54.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.51*		*"*	*5.00*		*70.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.15*		*"*	*5.00*		*63.0*	*25-150*				
Surrogate: M2-6:2 FTS	*3.31*		*"*	*4.75*		*69.8*	*25-200*				
Surrogate: M2-8:2 FTS	*2.34*		*"*	*4.79*		*48.9*	*25-200*				
Surrogate: M9PFNA	*3.88*		*"*	*5.00*		*77.6*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12477 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BL12477-MS2) Matrix Spike *Source sample: 21L0910-10 (EP14_0-2) Prepared: 12/20/2021 Analyzed: 12/24/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	4.64	0.275	ug/kg dry	4.87	ND	95.2	25-150				
Perfluorohexanoic acid (PFHxA)	5.64	0.275	"	5.51	ND	102	25-150				
Perfluoroheptanoic acid (PFHpA)	5.49	0.275	"	5.51	ND	99.7	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.58	0.275	"	5.01	ND	91.5	25-150				
Perfluorooctanoic acid (PFOA)	5.42	0.275	"	5.51	0.146	95.9	25-150				
Perfluorooctanesulfonic acid (PFOS)	4.33	0.275	"	5.09	0.650	72.2	25-150				
Perfluorononanoic acid (PFNA)	6.17	0.275	"	5.51	0.130	110	25-150				
Perfluorodecanoic acid (PFDA)	5.32	0.275	"	5.51	0.0583	95.6	25-150				
Perfluoroundecanoic acid (PFUnA)	5.00	0.275	"	5.51	0.281	85.8	25-150				
Perfluorododecanoic acid (PFDoA)	5.13	0.275	"	5.51	0.110	91.1	25-150				
Perfluorotridecanoic acid (PFTrDA)	5.09	0.275	"	5.51	0.0526	91.5	25-150				
Perfluorotetradecanoic acid (PFTA)	5.57	0.275	"	5.51	ND	101	25-150				
N-MeFOSAA	7.17	0.275	"	5.51	ND	130	25-150				
N-EtFOSAA	6.18	0.275	"	5.51	ND	112	25-150				
Perfluoropentanoic acid (PFPeA)	5.28	0.275	"	5.51	ND	96.0	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	5.00	0.275	"	5.51	0.102	89.0	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.91	0.275	"	5.26	ND	112	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.34	0.275	"	5.31	0.169	78.5	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	12.0	0.275	"	5.23	ND	229	25-200	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	13.5	0.275	"	5.29	0.739	242	25-200	High Bias			
Perfluoro-n-butanoic acid (PFBA)	5.46	0.275	"	5.51	ND	99.2	25-150				
Surrogate: M3PFBS	*4.40*		*"*	*5.12*		*86.1*	*25-150*				
Surrogate: M5PFHxA	*4.33*		*"*	*5.51*		*78.6*	*25-150*				
Surrogate: M4PFHpA	*4.32*		*"*	*5.51*		*78.5*	*25-150*				
Surrogate: M3PFHxS	*4.27*		*"*	*5.21*		*81.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.60*		*"*	*5.51*		*83.5*	*25-150*				
Surrogate: M6PFDA	*3.75*		*"*	*5.51*		*68.2*	*25-150*				
Surrogate: M7PFUdA	*3.75*		*"*	*5.51*		*68.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.64*		*"*	*5.51*		*66.1*	*25-150*				
Surrogate: M2PFTeDA	*3.11*		*"*	*5.51*		*56.5*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.45*		*"*	*5.51*		*80.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.06*		*"*	*5.27*		*77.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.58*		*"*	*5.51*		*83.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.34*		*"*	*5.51*		*60.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.46*		*"*	*5.51*		*62.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.05*		*"*	*5.51*		*55.4*	*25-150*				
Surrogate: M2-6:2 FTS	*3.46*		*"*	*5.23*		*66.2*	*25-200*				
Surrogate: M2-8:2 FTS	*3.07*		*"*	*5.27*		*58.1*	*25-200*				
Surrogate: M9PFNA	*3.38*		*"*	*5.51*		*61.4*	*25-150*				

PFAS Target compounds by LC/MS-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 BL12477 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BL12477-M Matrix Spike Dup *Source sample: 21L0910-09 (EP05_0-2)								Prepared: 12/20/2021 Analyzed: 12/23/2021			
Perfluorobutanesulfonic acid (PFBS)	4.62	0.253	ug/kg dry	4.48	ND	103	25-150		10.5	35	
Perfluorohexanoic acid (PFHxA)	5.38	0.253	"	5.07	ND	106	25-150		7.42	35	
Perfluoroheptanoic acid (PFHpA)	4.50	0.253	"	5.07	ND	88.9	25-150		10.0	35	
Perfluorohexanesulfonic acid (PFHxS)	4.39	0.253	"	4.61	ND	95.2	25-150		11.1	35	
Perfluorooctanoic acid (PFOA)	4.38	0.253	"	5.07	ND	86.5	25-150		4.18	35	
Perfluorooctanesulfonic acid (PFOS)	4.26	0.253	"	4.69	0.197	86.7	25-150		14.5	35	
Perfluorononanoic acid (PFNA)	5.40	0.253	"	5.07	ND	107	25-150		11.2	35	
Perfluorodecanoic acid (PFDA)	4.89	0.253	"	5.07	ND	96.5	25-150		17.5	35	
Perfluoroundecanoic acid (PFUnA)	5.60	0.253	"	5.07	ND	110	25-150		20.2	35	
Perfluorododecanoic acid (PFDoA)	4.94	0.253	"	5.07	ND	97.4	25-150		8.48	35	
Perfluorotridecanoic acid (PFTrDA)	4.66	0.253	"	5.07	ND	92.0	25-150		8.61	35	
Perfluorotetradecanoic acid (PFTA)	5.35	0.253	"	5.07	ND	106	25-150		6.29	35	
N-MeFOSAA	5.86	0.253	"	5.07	ND	116	25-150		1.10	35	
N-EtFOSAA	5.84	0.253	"	5.07	ND	115	25-150		11.6	35	
Perfluoropentanoic acid (PFPeA)	5.20	0.253	"	5.07	0.129	100	25-150		11.8	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.49	0.253	"	5.07	ND	88.5	25-150		9.57	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.25	0.253	"	4.84	ND	129	25-150		23.9	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.74	0.253	"	4.89	0.0734	75.0	25-150		16.3	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	12.2	0.253	"	4.81	0.0972	251	25-200	High Bias	32.2	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	8.92	0.253	"	4.86	0.0781	182	25-200		40.2	35	Non-dir.
Perfluoro-n-butanoic acid (PFBA)	5.10	0.253	"	5.07	ND	101	25-150		3.03	35	
Surrogate: M3PFBS	*4.28*		*"*	*4.71*		*90.8*	*25-150*				
Surrogate: M5PFHxA	*4.11*		*"*	*5.07*		*81.0*	*25-150*				
Surrogate: M4PFHpA	*5.04*		*"*	*5.07*		*99.5*	*25-150*				
Surrogate: M3PFHxS	*4.51*		*"*	*4.79*		*94.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*5.05*		*"*	*5.07*		*99.6*	*25-150*				
Surrogate: M6PFDA	*4.43*		*"*	*5.07*		*87.5*	*25-150*				
Surrogate: M7PFUdA	*3.29*		*"*	*5.07*		*65.0*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.60*		*"*	*5.07*		*71.1*	*25-150*				
Surrogate: M2PFTeDA	*3.15*		*"*	*5.07*		*62.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.46*		*"*	*5.07*		*87.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.88*		*"*	*4.85*		*80.1*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.43*		*"*	*5.07*		*87.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.35*		*"*	*5.07*		*66.1*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.78*		*"*	*5.07*		*74.5*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.14*		*"*	*5.07*		*62.0*	*25-150*				
Surrogate: M2-6:2 FTS	*2.77*		*"*	*4.81*		*57.6*	*25-200*				
Surrogate: M2-8:2 FTS	*3.60*		*"*	*4.85*		*74.1*	*25-200*				
Surrogate: M9PFNA	*3.86*		*"*	*5.07*		*76.3*	*25-150*				

PFAS Target compounds by LC/MS-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 BL12477 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BL12477-M Matrix Spike Dup *Source sample: 21L0910-10 (EP14_0-2)									Prepared: 12/20/2021 Analyzed: 12/24/2021		
Perfluorobutanesulfonic acid (PFBS)	4.18	0.260	ug/kg dry	4.60	ND	91.0	25-150		10.3	35	
Perfluorohexanoic acid (PFHxA)	5.20	0.260	"	5.19	ND	100	25-150		8.07	35	
Perfluoroheptanoic acid (PFHpA)	4.50	0.260	"	5.19	ND	86.6	25-150		19.9	35	
Perfluorohexanesulfonic acid (PFHxS)	4.15	0.260	"	4.72	ND	87.9	25-150		9.91	35	
Perfluorooctanoic acid (PFOA)	5.05	0.260	"	5.19	0.146	94.5	25-150		7.08	35	
Perfluorooctanesulfonic acid (PFOS)	5.53	0.260	"	4.80	0.650	102	25-150		24.5	35	
Perfluorononanoic acid (PFNA)	4.62	0.260	"	5.19	0.130	86.4	25-150		28.8	35	
Perfluorodecanoic acid (PFDA)	6.15	0.260	"	5.19	0.0583	117	25-150		14.4	35	
Perfluoroundecanoic acid (PFUnA)	4.60	0.260	"	5.19	0.281	83.1	25-150		8.50	35	
Perfluorododecanoic acid (PFDoA)	5.12	0.260	"	5.19	0.110	96.5	25-150		0.154	35	
Perfluorotridecanoic acid (PFTrDA)	5.19	0.260	"	5.19	0.0526	98.9	25-150		1.90	35	
Perfluorotetradecanoic acid (PFTA)	5.10	0.260	"	5.19	ND	98.2	25-150		8.89	35	
N-MeFOSAA	6.69	0.260	"	5.19	ND	129	25-150		6.92	35	
N-EtFOSAA	4.69	0.260	"	5.19	ND	90.3	25-150		27.5	35	
Perfluoropentanoic acid (PFPeA)	4.80	0.260	"	5.19	ND	92.4	25-150		9.67	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.66	0.260	"	5.19	0.102	87.8	25-150		7.06	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	5.14	0.260	"	4.96	ND	104	25-150		13.9	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.35	0.260	"	5.01	0.169	83.5	25-150		0.297	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	11.7	0.260	"	4.93	ND	237	25-200	High Bias	2.26	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	10.1	0.260	"	4.98	0.739	188	25-200		29.0	35	
Perfluoro-n-butanoic acid (PFBA)	5.04	0.260	"	5.19	ND	97.1	25-150		8.00	35	
Surrogate: M3PFBS	*4.48*		*"*	*4.82*		*92.9*	*25-150*				
Surrogate: M5PFHxA	*4.44*		*"*	*5.19*		*85.4*	*25-150*				
Surrogate: M4PFHpA	*5.03*		*"*	*5.19*		*96.9*	*25-150*				
Surrogate: M3PFHxS	*4.80*		*"*	*4.91*		*97.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.57*		*"*	*5.19*		*88.0*	*25-150*				
Surrogate: M6PFDA	*3.44*		*"*	*5.19*		*66.3*	*25-150*				
Surrogate: M7PFUdA	*3.97*		*"*	*5.19*		*76.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.53*		*"*	*5.19*		*68.1*	*25-150*				
Surrogate: M2PFTeDA	*3.85*		*"*	*5.19*		*74.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.47*		*"*	*5.19*		*86.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.74*		*"*	*4.97*		*75.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.59*		*"*	*5.19*		*88.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.15*		*"*	*5.19*		*60.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.20*		*"*	*5.19*		*61.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.87*		*"*	*5.19*		*74.6*	*25-150*				
Surrogate: M2-6:2 FTS	*3.02*		*"*	*4.93*		*61.2*	*25-200*				
Surrogate: M2-8:2 FTS	*2.65*		*"*	*4.97*		*53.3*	*25-200*				
Surrogate: M9PFNA	*4.53*		*"*	*5.19*		*87.2*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12628 - EPA 3550C

Blank (BL12628-BLK1) Blank — Prepared: 12/22/2021 Analyzed: 12/23/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Surrogate: Decachlorobiphenyl	*0.0644*		*"*	*0.0664*		*96.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0726*		*"*	*0.0664*		*109*	*30-150*				

LCS (BL12628-BS1) LCS — Prepared: 12/22/2021 Analyzed: 12/23/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
4,4'-DDD	0.0302	0.00164	mg/kg wet	0.0332		90.9	40-140				
4,4'-DDE	0.0168	0.00164	"	0.0332		50.7	40-140				
4,4'-DDT	0.0133	0.00164	"	0.0332		40.2	40-140				
Aldrin	0.0437	0.00164	"	0.0332		132	40-140				
alpha-BHC	0.0374	0.00164	"	0.0332		112	40-140				
alpha-Chlordane	0.0377	0.00164	"	0.0332		114	40-140				
beta-BHC	0.0361	0.00164	"	0.0332		109	40-140				
delta-BHC	0.0385	0.00164	"	0.0332		116	40-140				
Dieldrin	0.0381	0.00164	"	0.0332		115	40-140				
Endosulfan I	0.0534	0.00164	"	0.0332		161	40-140	High Bias			
Endosulfan II	0.0394	0.00164	"	0.0332		118	40-140				
Endosulfan sulfate	0.0367	0.00164	"	0.0332		110	40-140				
Endrin	0.0193	0.00164	"	0.0332		58.1	40-140				
Endrin aldehyde	0.0413	0.00164	"	0.0332		124	40-140				
Endrin ketone	0.0383	0.00164	"	0.0332		115	40-140				
gamma-BHC (Lindane)	0.0361	0.00164	"	0.0332		109	40-140				
gamma-Chlordane	0.0383	0.00164	"	0.0332		115	40-140				
Heptachlor	0.0281	0.00164	"	0.0332		84.6	40-140				
Heptachlor epoxide	0.0390	0.00164	"	0.0332		117	40-140				
Methoxychlor	0.0403	0.00164	"	0.0332		121	40-140				
Surrogate: Decachlorobiphenyl	*0.0628*		*"*	*0.0664*		*94.6*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0701*		*"*	*0.0664*		*105*	*30-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12629 - EPA 3550C

Blank (BL12629-BLK1) Blank — Prepared: 12/22/2021 Analyzed: 12/23/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Surrogate: Decachlorobiphenyl	*0.0587*		*"*	*0.0664*		*88.3*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0603*		*"*	*0.0664*		*90.7*	*30-150*				

LCS (BL12629-BS1) LCS — Prepared: 12/22/2021 Analyzed: 12/23/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
4,4'-DDD	0.0237	0.00164	mg/kg wet	0.0332		71.5	40-140				
4,4'-DDE	0.0134	0.00164	"	0.0332		40.4	40-140				
4,4'-DDT	0.0154	0.00164	"	0.0332		46.4	40-140				
Aldrin	0.0313	0.00164	"	0.0332		94.1	40-140				
alpha-BHC	0.0273	0.00164	"	0.0332		82.2	40-140				
alpha-Chlordane	0.0281	0.00164	"	0.0332		84.6	40-140				
beta-BHC	0.0262	0.00164	"	0.0332		78.9	40-140				
delta-BHC	0.0261	0.00164	"	0.0332		78.6	40-140				
Dieldrin	0.0285	0.00164	"	0.0332		85.9	40-140				
Endosulfan I	0.0433	0.00164	"	0.0332		130	40-140				
Endosulfan II	0.0284	0.00164	"	0.0332		85.4	40-140				
Endosulfan sulfate	0.0247	0.00164	"	0.0332		74.4	40-140				
Endrin	0.0145	0.00164	"	0.0332		43.7	40-140				
Endrin aldehyde	0.0275	0.00164	"	0.0332		82.8	40-140				
Endrin ketone	0.0273	0.00164	"	0.0332		82.2	40-140				
gamma-BHC (Lindane)	0.0264	0.00164	"	0.0332		79.6	40-140				
gamma-Chlordane	0.0286	0.00164	"	0.0332		86.2	40-140				
Heptachlor	0.0193	0.00164	"	0.0332		58.0	40-140				
Heptachlor epoxide	0.0295	0.00164	"	0.0332		88.8	40-140				
Methoxychlor	0.0292	0.00164	"	0.0332		87.8	40-140				
Surrogate: Decachlorobiphenyl	*0.0656*		*"*	*0.0664*		*98.7*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0641*		*"*	*0.0664*		*96.4*	*30-150*				

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 BL12397 - EPA SW846-3510C Low Level											
Blank (BL12397-BLK2) Blank								Prepared: 12/18/2021 Analyzed: 12/19/2021			
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	*0.142*		*"*	*0.200*		*71.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.131*		*"*	*0.200*		*65.5*	*30-120*				
LCS (BL12397-BS2) LCS								Prepared: 12/18/2021 Analyzed: 12/19/2021			
Aroclor 1016	1.06	0.0500	ug/L	1.00		106	40-120				
Aroclor 1260	0.957	0.0500	"	1.00		95.7	40-120				
Surrogate: Tetrachloro-m-xylene	*0.139*		*"*	*0.200*		*69.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.105*		*"*	*0.200*		*52.5*	*30-120*				
LCS Dup (BL12397-BSD2) LCS Dup								Prepared: 12/18/2021 Analyzed: 12/19/2021			
Aroclor 1016	1.01	0.0500	ug/L	1.00		101	40-120		4.92	30	
Aroclor 1260	0.889	0.0500	"	1.00		88.9	40-120		7.36	30	
Surrogate: Tetrachloro-m-xylene	*0.134*		*"*	*0.200*		*67.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0940*		*"*	*0.200*		*47.0*	*30-120*				
Batch BL12628 - EPA 3550C											
Blank (BL12628-BLK2) Blank								Prepared: 12/22/2021 Analyzed: 12/23/2021			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0638*		*"*	*0.0664*		*96.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0449*		*"*	*0.0664*		*67.5*	*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
Batch BL12628 - EPA 3550C											
LCS (BL12628-BS2) LCS								Prepared: 12/22/2021 Analyzed: 12/23/2021			
Aroclor 1016	0.317	0.0166	mg/kg wet	0.332		95.4	40-130				
Aroclor 1260	0.277	0.0166	"	0.332		83.3	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0578*		*"*	*0.0664*		*87.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0399*		*"*	*0.0664*		*60.0*	*30-120*				
Matrix Spike (BL12628-MS2) Matrix Spike *Source sample: 21L0910-10 (EP14_0-2)								Prepared: 12/22/2021 Analyzed: 12/23/2021			
Aroclor 1016	0.259	0.0184	mg/kg dry	0.369	ND	70.2	40-140				
Aroclor 1260	0.275	0.0184	"	0.369	ND	74.6	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0490*		*"*	*0.0737*		*66.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0365*		*"*	*0.0737*		*49.5*	*30-120*				
Matrix Spike Dup (BL12628-M Matrix Spike Dup *Source sample: 21L0910-10 (EP14_0-2)								Prepared: 12/22/2021 Analyzed: 12/23/2021			
Aroclor 1016	0.214	0.0184	mg/kg dry	0.369	ND	57.9	40-140		19.2	50	
Aroclor 1260	0.228	0.0184	"	0.369	ND	62.0	40-140		18.5	50	
Surrogate: Tetrachloro-m-xylene	*0.0465*		*"*	*0.0737*		*63.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0339*		*"*	*0.0737*		*46.0*	*30-120*				
Batch BL12629 - EPA 3550C											
Blank (BL12629-BLK2) Blank								Prepared: 12/22/2021 Analyzed: 12/23/2021			
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0615*		*"*	*0.0664*		*92.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0422*		*"*	*0.0664*		*63.5*	*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
Batch BL12629 - EPA 3550C											
LCS (BL12629-BS2) LCS								Prepared: 12/22/2021 Analyzed: 12/23/2021			
Aroclor 1016	0.318	0.0166	mg/kg wet	0.332		95.7	40-130				
Aroclor 1260	0.292	0.0166	"	0.332		87.9	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0558*		*"*	*0.0664*		*84.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0402*		*"*	*0.0664*		*60.5*	*30-120*				
Matrix Spike (BL12629-MS2) Matrix Spike *Source sample: 21L0910-09 (EP05_0-2)								Prepared: 12/22/2021 Analyzed: 12/23/2021			
Aroclor 1016	0.0490	0.0172	mg/kg dry	0.344	ND	14.3	40-140	Low Bias			
Aroclor 1260	0.142	0.0172	"	0.344	ND	41.3	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0371*		*"*	*0.0687*		*54.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0347*		*"*	*0.0687*		*50.5*	*30-120*				
Matrix Spike Dup (BL12629-M Matrix Spike Dup *Source sample: 21L0910-09 (EP05_0-2)								Prepared: 12/22/2021 Analyzed: 12/23/2021			
Aroclor 1016	0.0606	0.0172	mg/kg dry	0.344	ND	17.6	40-140	Low Bias	21.2	50	
Aroclor 1260	0.137	0.0172	"	0.344	ND	39.8	40-140	Low Bias	3.50	50	
Surrogate: Tetrachloro-m-xylene	*0.0495*		*"*	*0.0687*		*72.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0440*		*"*	*0.0687*		*64.0*	*30-120*				

Chlorinated Herbicides 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 BL12301 - EPA 8151A											
Blank (BL12301-BLK1) Blank							Prepared: 12/17/2021 Analyzed: 12/18/2021				
2,4,5-T	ND	5.00	ug/L								
2,4,5-TP (Silvex)	ND	5.00	"								
2,4-D	ND	5.00	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*120*		*"*	*125*		*95.8*	*30-150*				
LCS (BL12301-BS1) LCS							Prepared: 12/17/2021 Analyzed: 12/18/2021				
2,4,5-T	31.0	5.00	ug/L	40.0		77.5	10-140				
2,4,5-TP (Silvex)	29.0	5.00	"	40.0		72.5	10-139				
2,4-D	30.0	5.00	"	40.0		75.0	10-140				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*122*		*"*	*125*		*98.0*	*30-150*				
LCS Dup (BL12301-BSD1) LCS Dup							Prepared: 12/17/2021 Analyzed: 12/18/2021				
2,4,5-T	37.5	5.00	ug/L	40.0		93.8	10-140		19.0	30	
2,4,5-TP (Silvex)	35.5	5.00	"	40.0		88.8	10-139		20.2	30	
2,4-D	36.0	5.00	"	40.0		90.0	10-140		18.2	30	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*130*		*"*	*125*		*104*	*30-150*				
Batch BL12712 - EPA 3550C/8151A											
Blank (BL12712-BLK1) Blank							Prepared & Analyzed: 12/23/2021				
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.339*		*"*	*0.415*		*81.6*	*21-150*				
LCS (BL12712-BS1) LCS							Prepared & Analyzed: 12/23/2021				
2,4,5-T	0.105	0.0199	mg/kg wet	0.133		79.4	10-120				
2,4,5-TP (Silvex)	0.105	0.0199	"	0.133		79.4	10-120				
2,4-D	0.110	0.0199	"	0.133		83.1	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.358*		*"*	*0.415*		*86.2*	*21-150*				

Chlorinated Herbicides 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 BL12712 - EPA 3550C/8151A											
Matrix Spike (BL12712-MS1) Matrix Spike	*Source sample: 21L0755-04 (Matrix Spike)						Prepared & Analyzed: 12/23/2021				
2,4,5-T	0.0791	0.0223	mg/kg dry	0.149	ND	53.1	10-120				
2,4,5-TP (Silvex)	0.0726	0.0223	"	0.149	ND	48.8	10-120				
2,4-D	0.0819	0.0223	"	0.149	ND	55.0	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.287*		*"*	*0.465*		*61.6*	*21-150*				
Matrix Spike Dup (BL12712-M Matrix Spike Dup	*Source sample: 21L0755-04 (Matrix Spike Dup)						Prepared & Analyzed: 12/23/2021				
2,4,5-T	0.0791	0.0223	mg/kg dry	0.149	ND	53.1	10-120		0.00	35	
2,4,5-TP (Silvex)	0.0726	0.0223	"	0.149	ND	48.8	10-120		0.00	35	
2,4-D	0.0791	0.0223	"	0.149	ND	53.1	10-118		3.47	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.296*		*"*	*0.465*		*63.6*	*21-150*				
Batch BL12785 - EPA 3550C/8151A											
Blank (BL12785-BLK1) Blank							Prepared & Analyzed: 12/27/2021				
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.537*		*"*	*0.415*		*129*	*21-150*				
LCS (BL12785-BS1) LCS							Prepared & Analyzed: 12/27/2021				
2,4,5-T	0.121	0.0199	mg/kg wet	0.133		91.2	10-120				
2,4,5-TP (Silvex)	0.130	0.0199	"	0.133		97.5	10-120				
2,4-D	0.120	0.0199	"	0.133		90.6	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.542*		*"*	*0.415*		*130*	*21-150*				

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
Batch BL12405 - EPA 3050B											
Blank (BL12405-BLK1) Blank								Prepared: 12/18/2021 Analyzed: 12/21/2021			
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	6.76	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BL12405-DUP1) Duplicate *Source sample: 21L0910-09 (EP05_0-2)								Prepared: 12/18/2021 Analyzed: 12/21/2021			
Aluminum	6600	5.17	mg/kg dry		6470				2.00	35	
Antimony	ND	2.59	"		ND					35	
Arsenic	9.25	1.55	"		12.8				32.0	35	
Barium	102	2.59	"		103				0.966	35	
Beryllium	ND	0.052	"		ND					35	
Cadmium	0.987	0.310	"		1.04				5.30	35	
Calcium	109000	5.17	"		123000				11.9	35	
Chromium	13.8	0.517	"		14.2				2.96	35	
Cobalt	5.42	0.414	"		5.78				6.51	35	
Copper	38.3	2.07	"		38.1				0.496	35	
Iron	7590	25.9	"		8500				11.4	35	
Lead	108	0.517	"		114				5.62	35	
Magnesium	20600	5.17	"		24900				19.2	35	
Manganese	223	0.517	"		218				2.56	35	
Nickel	15.0	1.03	"		14.9				0.911	35	
Potassium	945	5.17	"		934				1.18	35	
Selenium	5.01	2.59	"		4.15				18.7	35	
Silver	0.925	0.517	"		0.962				4.00	35	
Sodium	154	51.7	"		155				0.728	35	
Thallium	ND	2.59	"		ND					35	
Vanadium	21.0	1.03	"		21.7				3.32	35	
Zinc	317	2.59	"		179				55.7	35	Non-dir.

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
Batch BL12405 - EPA 3050B											
Matrix Spike (BL12405-MS1) Matrix Spike	*Source sample: 21L0910-09 (EP05_0-2)							Prepared: 12/18/2021 Analyzed: 12/21/2021			
Aluminum	7590	5.17	mg/kg dry	207	6470	538	75-125	High Bias			
Antimony	ND	2.59	"	25.9	ND		75-125	Low Bias			
Arsenic	237	1.55	"	207	12.8	108	75-125				
Barium	341	2.59	"	207	103	115	75-125				
Beryllium	4.98	0.052	"	5.17	ND	96.4	75-125				
Cadmium	6.07	0.310	"	5.17	1.04	97.3	75-125				
Calcium	125000	5.17	"	103	123000	NR	75-125	High Bias			
Chromium	37.9	0.517	"	20.7	14.2	114	75-125				
Cobalt	61.5	0.414	"	51.7	5.78	108	75-125				
Copper	70.6	2.07	"	25.9	38.1	126	75-125	High Bias			
Iron	13900	25.9	"	103	8500	NR	75-125	High Bias			
Lead	164	0.517	"	51.7	114	96.0	75-125				
Magnesium	43800	5.17	"	103	24900	NR	75-125	High Bias			
Manganese	294	0.517	"	51.7	218	147	75-125	High Bias			
Nickel	77.9	1.03	"	51.7	14.9	122	75-125				
Potassium	1800	5.17	"	103	934	839	75-125	High Bias			
Selenium	214	2.59	"	207	4.15	101	75-125				
Silver	6.54	0.517	"	5.17	0.962	108	75-125				
Sodium	567	51.7	"	103	155	399	75-125	High Bias			
Thallium	203	2.59	"	207	ND	98.0	75-125				
Vanadium	78.6	1.03	"	51.7	21.7	110	75-125				
Zinc	230	2.59	"	51.7	179	98.5	75-125				
Post Spike (BL12405-PS1) Post Spike	*Source sample: 21L0910-09 (EP05_0-2)							Prepared: 12/18/2021 Analyzed: 12/21/2021			
Aluminum	67.7		ug/mL	2.00	62.6	256	75-125	High Bias			
Antimony	0.169		"	0.250	-0.041	67.7	75-125	Low Bias			
Arsenic	2.14		"	2.00	0.124	101	75-125				
Barium	3.08		"	2.00	0.995	104	75-125				
Beryllium	0.044		"	0.0500	-0.005	87.9	75-125				
Cadmium	0.055		"	0.0500	0.010	89.8	75-125				
Calcium	1230		"	1.00	1190	NR	75-125	High Bias			
Chromium	0.334		"	0.200	0.138	98.4	75-125				
Cobalt	0.538		"	0.500	0.056	96.4	75-125				
Copper	0.669		"	0.250	0.368	120	75-125				
Iron	125		"	1.00	82.2	NR	75-125	High Bias			
Lead	1.62		"	0.500	1.10	105	75-125				
Magnesium	368		"	1.00	241	NR	75-125	High Bias			
Manganese	2.68		"	0.500	2.10	115	75-125				
Nickel	0.701		"	0.500	0.144	111	75-125				
Potassium	15.4		"	1.00	9.03	635	75-125	High Bias			
Selenium	1.90		"	2.00	0.040	93.1	75-125				
Silver	0.014		"	0.0500	0.009	9.98	75-125	Low Bias			
Sodium	3.28		"	1.00	1.50	178	75-125	High Bias			
Thallium	1.80		"	2.00	-0.033	89.8	75-125				
Vanadium	0.718		"	0.500	0.210	102	75-125				
Zinc	2.23		"	0.500	1.73	99.3	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
Batch BL12405 - EPA 3050B											
Reference (BL12405-SRM1) Reference								Prepared: 12/18/2021 Analyzed: 12/21/2021			
Aluminum	10700	5.00	mg/kg wet	8130		131	49.9-150.1				
Antimony	63.0	2.50	"	134		47.0	19.3-250				
Arsenic	195	1.50	"	156		125	69.9-130.1				
Barium	308	2.50	"	239		129	74.9-124.7	High Bias			
Beryllium	198	0.050	"	169		117	75.1-125.4				
Cadmium	160	0.300	"	137		117	75.2-124.8				
Calcium	6290	5.00	"	4760		132	72.7-127.5	High Bias			
Chromium	182	0.500	"	154		118	70.1-129.9				
Cobalt	147	0.400	"	121		121	75-124.8				
Copper	72.4	2.00	"	54.9		132	74.9-125	High Bias			
Iron	16700	25.0	"	14100		118	34.9-164.5				
Lead	162	0.500	"	130		125	71.8-128.5				
Magnesium	2710	5.00	"	2320		117	62.1-137.9				
Manganese	335	0.500	"	269		125	74-126.4				
Nickel	76.7	1.00	"	53.9		142	69.9-129.9	High Bias			
Potassium	2370	5.00	"	2020		117	58.9-141.1				
Selenium	171	2.50	"	167		102	67.7-132.3				
Silver	40.4	0.500	"	33.6		120	68.5-131.3				
Sodium	159	50.0	"	133		120	35-165.4				
Thallium	124	2.50	"	112		110	67.9-131.3				
Vanadium	74.5	1.00	"	62.6		119	59.1-141.1				
Zinc	190	2.50	"	158		120	70.3-129.7				
Batch BL12501 - EPA 3050B											
Blank (BL12501-BLK1) Blank								Prepared: 12/20/2021 Analyzed: 12/21/2021			
Aluminum	5.53	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	16.3	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								

Metals by ICP - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12501 - EPA 3050B

Duplicate (BL12501-DUP1) Duplicate *Source sample: 21L0910-10 (EP14_0-2) Prepared: 12/20/2021 Analyzed: 12/21/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Aluminum	7330	5.55	mg/kg dry		7720				5.21	35	
Antimony	ND	2.77	"		ND					35	
Arsenic	4.89	1.66	"		6.16				23.0	35	
Barium	89.1	2.77	"		92.3				3.47	35	
Beryllium	ND	0.055	"		ND					35	
Cadmium	0.499	0.333	"		0.454				9.47	35	
Calcium	37300	5.55	"		32400				13.9	35	
Chromium	17.1	0.555	"		19.9				15.0	35	
Cobalt	5.94	0.444	"		6.57				10.2	35	
Copper	28.5	2.22	"		39.8				33.1	35	
Iron	10100	27.7	"		12800				23.0	35	
Lead	178	0.555	"		210				16.4	35	
Magnesium	5170	5.55	"		3300				44.0	35	Non-dir.
Manganese	257	0.555	"		254				1.27	35	
Nickel	21.5	1.11	"		26.8				21.8	35	
Potassium	934	5.55	"		1160				21.3	35	
Selenium	ND	2.77	"		ND					35	
Silver	ND	0.555	"		ND					35	
Sodium	107	55.5	"		149				32.6	35	
Thallium	ND	2.77	"		ND					35	
Vanadium	20.0	1.11	"		22.5				11.7	35	
Zinc	110	2.77	"		118				6.77	35	

Matrix Spike (BL12501-MS1) Matrix Spike *Source sample: 21L0910-10 (EP14_0-2) Prepared: 12/20/2021 Analyzed: 12/21/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Aluminum	8240	5.55	mg/kg dry	222	7720	231	75-125	High Bias			
Antimony	5.98	2.77	"	27.7	ND	21.5	75-125	Low Bias			
Arsenic	259	1.66	"	222	6.16	114	75-125				
Barium	347	2.77	"	222	92.3	115	75-125				
Beryllium	6.09	0.055	"	5.55	ND	110	75-125				
Cadmium	6.68	0.333	"	5.55	0.454	112	75-125				
Calcium	43200	5.55	"	111	32400	NR	75-125	High Bias			
Chromium	43.5	0.555	"	22.2	19.9	106	75-125				
Cobalt	70.8	0.444	"	55.5	6.57	116	75-125				
Copper	70.5	2.22	"	27.7	39.8	111	75-125				
Iron	11900	27.7	"	111	12800	NR	75-125	Low Bias			
Lead	215	0.555	"	55.5	210	9.69	75-125	Low Bias			
Magnesium	4340	5.55	"	111	3300	938	75-125	High Bias			
Manganese	345	0.555	"	55.5	254	164	75-125	High Bias			
Nickel	90.2	1.11	"	55.5	26.8	114	75-125				
Potassium	1440	5.55	"	111	1160	254	75-125	High Bias			
Selenium	228	2.77	"	222	ND	103	75-125				
Silver	6.48	0.555	"	5.55	ND	117	75-125				
Sodium	319	55.5	"	111	149	154	75-125	High Bias			
Thallium	240	2.77	"	222	ND	108	75-125				
Vanadium	84.1	1.11	"	55.5	22.5	111	75-125				
Zinc	179	2.77	"	55.5	118	110	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
Batch BL12501 - EPA 3050B											
Post Spike (BL12501-PS1) Post Spike	*Source sample: 21L0910-10 (EP14_0-2)							Prepared: 12/20/2021 Analyzed: 12/21/2021			
Aluminum	73.1		ug/mL	2.00	69.6	173	75-125	High Bias			
Antimony	0.264		"	0.250	-0.0009	106	75-125				
Arsenic	2.37		"	2.00	0.055	116	75-125				
Barium	3.25		"	2.00	0.831	121	75-125				
Beryllium	0.054		"	0.0500	-0.002	109	75-125				
Cadmium	0.060		"	0.0500	0.004	112	75-125				
Calcium	301		"	1.00	292	888	75-125	High Bias			
Chromium	0.408		"	0.200	0.179	114	75-125				
Cobalt	0.632		"	0.500	0.059	115	75-125				
Copper	0.681		"	0.250	0.359	129	75-125	High Bias			
Iron	125		"	1.00	115	990	75-125	High Bias			
Lead	2.46		"	0.500	1.89	115	75-125				
Magnesium	33.3		"	1.00	29.8	349	75-125	High Bias			
Manganese	2.89		"	0.500	2.29	120	75-125				
Nickel	0.842		"	0.500	0.242	120	75-125				
Potassium	12.8		"	1.00	10.4	240	75-125	High Bias			
Selenium	2.17		"	2.00	-0.039	109	75-125				
Silver	0.014		"	0.0500	0.002	23.2	75-125	Low Bias			
Sodium	2.68		"	1.00	1.34	134	75-125	High Bias			
Thallium	2.17		"	2.00	-0.023	109	75-125				
Vanadium	0.787		"	0.500	0.202	117	75-125				
Zinc	1.63		"	0.500	1.06	113	75-125				
Reference (BL12501-SRM1) Reference								Prepared: 12/20/2021 Analyzed: 12/21/2021			
Aluminum	9350	5.00	mg/kg wet	8130		115	49.9-150.1				
Antimony	72.9	2.50	"	134		54.4	19.3-250				
Arsenic	169	1.50	"	156		108	69.9-130.1				
Barium	268	2.50	"	239		112	74.9-124.7				
Beryllium	183	0.050	"	169		109	75.1-125.4				
Cadmium	151	0.300	"	137		110	75.2-124.8				
Calcium	5490	5.00	"	4760		115	72.7-127.5				
Chromium	164	0.500	"	154		106	70.1-129.9				
Cobalt	134	0.400	"	121		111	75-124.8				
Copper	62.9	2.00	"	54.9		115	74.9-125				
Iron	14400	25.0	"	14100		102	34.9-164.5				
Lead	138	0.500	"	130		106	71.8-128.5				
Magnesium	2280	5.00	"	2320		98.4	62.1-137.9				
Manganese	297	0.500	"	269		110	74-126.4				
Nickel	73.8	1.00	"	53.9		137	69.9-129.9	High Bias			
Potassium	2120	5.00	"	2020		105	58.9-141.1				
Selenium	164	2.50	"	167		98.3	67.7-132.3				
Silver	34.8	0.500	"	33.6		104	68.5-131.3				
Sodium	142	50.0	"	133		107	35-165.4				
Thallium	114	2.50	"	112		102	67.9-131.3				
Vanadium	66.5	1.00	"	62.6		106	59.1-141.1				
Zinc	165	2.50	"	158		104	70.3-129.7				

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
Batch BL12642 - EPA 3015A											
Blank (BL12642-BLK1) Blank								Prepared & Analyzed: 12/22/2021			
Aluminum	ND	0.0556	mg/L								
Barium	ND	0.0278	"								
Calcium	ND	0.0556	"								
Chromium	ND	0.00556	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.00556	"								
Magnesium	ND	0.0556	"								
Manganese	ND	0.00556	"								
Nickel	ND	0.0111	"								
Potassium	ND	0.0556	"								
Silver	ND	0.00556	"								
Sodium	ND	0.556	"								
Vanadium	ND	0.0111	"								
Zinc	ND	0.0278	"								
LCS (BL12642-BS1) LCS								Prepared & Analyzed: 12/22/2021			
Aluminum	1.76		ug/mL	2.00		88.1	80-120				
Barium	2.16		"	2.00		108	80-120				
Calcium	0.847		"	1.00		84.7	80-120				
Chromium	0.204		"	0.200		102	80-120				
Cobalt	0.532		"	0.500		106	80-120				
Copper	0.261		"	0.250		105	80-120				
Iron	1.05		"	1.00		105	80-120				
Lead	0.526		"	0.500		105	80-120				
Magnesium	1.05		"	1.00		105	80-120				
Manganese	0.530		"	0.500		106	80-120				
Nickel	0.513		"	0.500		103	80-120				
Potassium	0.740		"	1.00		74.0	80-120	Low Bias			
Silver	0.0455		"	0.0500		91.1	80-120				
Sodium	0.802		"	1.00		80.2	80-120				
Vanadium	0.516		"	0.500		103	80-120				
Zinc	0.498		"	0.500		99.5	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
Batch BL12642 - EPA 3015A											
Duplicate (BL12642-DUP1) Duplicate	*Source sample: 21L1013-04 (Duplicate)							Prepared & Analyzed: 12/22/2021			
Aluminum	ND	0.0556	mg/L		ND					20	
Barium	0.0339	0.0278	"		0.0332				1.90	20	
Calcium	20.6	0.0556	"		20.5				0.150	20	
Chromium	ND	0.00556	"		ND					20	
Cobalt	ND	0.00444	"		ND					20	
Copper	ND	0.0222	"		ND					20	
Iron	ND	0.278	"		ND					20	
Lead	ND	0.00556	"		ND					20	
Magnesium	4.32	0.0556	"		3.52				20.6	20	Non-dir.
Manganese	0.0161	0.00556	"		0.0156				3.07	20	
Nickel	ND	0.0111	"		ND					20	
Potassium	3.22	0.0556	"		2.55				23.0	20	Non-dir.
Silver	ND	0.00556	"		ND					20	
Sodium	74.8	0.556	"		57.1				26.8	20	Non-dir.
Vanadium	ND	0.0111	"		ND					20	
Zinc	0.0429	0.0278	"		ND					20	
Matrix Spike (BL12642-MS1) Matrix Spike	*Source sample: 21L1013-04 (Matrix Spike)							Prepared & Analyzed: 12/22/2021			
Aluminum	2.27	0.0556	mg/L	2.22	ND	102	75-125				
Barium	2.58	0.0278	"	2.22	0.0332	115	75-125				
Calcium	21.6	0.0556	"	1.11	20.5	94.7	75-125				
Chromium	0.244	0.00556	"	0.222	ND	110	75-125				
Cobalt	0.636	0.00444	"	0.556	ND	114	75-125				
Copper	0.320	0.0222	"	0.278	ND	115	75-125				
Iron	1.27	0.278	"	1.11	ND	114	75-125				
Lead	0.618	0.00556	"	0.556	ND	111	75-125				
Magnesium	4.56	0.0556	"	1.11	3.52	93.9	75-125				
Manganese	0.652	0.00556	"	0.556	0.0156	115	75-125				
Nickel	0.622	0.0111	"	0.556	ND	112	75-125				
Potassium	3.43	0.0556	"	1.11	2.55	79.2	75-125				
Silver	0.0533	0.00556	"	0.0556	ND	96.0	75-125				
Sodium	56.5	0.556	"	1.11	57.1	NR	75-125	Low Bias			
Vanadium	0.623	0.0111	"	0.556	ND	112	75-125				
Zinc	0.640	0.0278	"	0.556	ND	115	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
Batch BL12642 - EPA 3015A											
Post Spike (BL12642-PS1) Post Spike	*Source sample: 21L1013-04 (Post Spike)							Prepared & Analyzed: 12/22/2021			
Aluminum	2.03		ug/mL	2.00	0.0339	99.6	75-125				
Barium	2.31		"	2.00	0.0299	114	75-125				
Calcium	19.2		"	1.00	18.5	74.9	75-125	Low Bias			
Chromium	0.218		"	0.200	0.00129	108	75-125				
Cobalt	0.566		"	0.500	-0.000439	113	75-125				
Copper	0.285		"	0.250	0.00171	113	75-125				
Iron	0.957		"	1.00	0.0495	90.7	75-125				
Lead	0.561		"	0.500	-0.00103	112	75-125				
Magnesium	3.60		"	1.00	3.16	43.3	75-125	Low Bias			
Manganese	0.579		"	0.500	0.0140	113	75-125				
Nickel	0.556		"	0.500	-0.00574	111	75-125				
Potassium	2.60		"	1.00	2.30	30.0	75-125	Low Bias			
Silver	0.0108		"	0.0500	-0.000849	21.5	75-125	Low Bias			
Sodium	12.5		"	1.00	51.4	NR	75-125	Low Bias			
Vanadium	0.557		"	0.500	0.000389	111	75-125				
Zinc	0.563		"	0.500	0.00727	111	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
Batch BL12461 - EPA 3015A											
Blank (BL12461-BLK1) Blank								Prepared: 12/20/2021 Analyzed: 12/21/2021			
Antimony	ND	0.00111	mg/L								
Arsenic	ND	0.00111	"								
Beryllium	ND	0.000333	"								
Cadmium	ND	0.000556	"								
Selenium	ND	0.00111	"								
Thallium	ND	0.00111	"								
LCS (BL12461-BS1) LCS								Prepared: 12/20/2021 Analyzed: 12/21/2021			
Antimony	55.1		ug/L	50.0		110	80-120				
Arsenic	51.7		"	50.0		103	80-120				
Beryllium	54.5		"	50.0		109	80-120				
Cadmium	54.1		"	50.0		108	80-120				
Selenium	51.3		"	50.0		103	80-120				
Thallium	55.1		"	50.0		110	80-120				
Duplicate (BL12461-DUP1) Duplicate *Source sample: 21L0958-07 (Duplicate)								Prepared: 12/20/2021 Analyzed: 12/22/2021			
Antimony	ND	0.00111	mg/L		ND					20	
Arsenic	ND	0.00111	"		ND					20	
Beryllium	ND	0.000333	"		ND					20	
Cadmium	ND	0.000556	"		ND					20	
Selenium	ND	0.00111	"		ND					20	
Thallium	ND	0.00111	"		ND					20	
Matrix Spike (BL12461-MS1) Matrix Spike *Source sample: 21L0958-07 (Matrix Spike)								Prepared: 12/20/2021 Analyzed: 12/22/2021			
Antimony	46.0		ug/L	50.0	-0.029	91.9	75-125				
Arsenic	49.2		"	50.0	0.041	98.2	75-125				
Beryllium	48.1		"	50.0	0.001	96.3	75-125				
Cadmium	48.1		"	50.0	0.003	96.1	75-125				
Selenium	46.3		"	50.0	0.329	92.0	75-125				
Thallium	54.6		"	50.0	0.012	109	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 BL12298 - EPA SW846-7470A												
Blank (BL12298-BLK1)	Blank								Prepared & Analyzed: 12/16/2021			
Mercury		ND	0.0002	mg/L								
LCS (BL12298-BS1)	LCS								Prepared & Analyzed: 12/16/2021			
Mercury		0.0021545	0.0002	mg/L	0.00200		108	80-120				
LCS (BL12298-BS2)	LCS								Prepared & Analyzed: 12/16/2021			
Mercury		0.0021038	0.0002	mg/L	0.00200		105	80-120				
Batch BL12651 - EPA 7473 soil												
Blank (BL12651-BLK1)	Blank								Prepared & Analyzed: 12/22/2021			
Mercury		ND	0.0300	mg/kg wet								
Duplicate (BL12651-DUP1)	Duplicate	*Source sample: 21L0910-09 (EP05_0-2)							Prepared & Analyzed: 12/22/2021			
Mercury		0.491	0.0310	mg/kg dry		0.490				0.169	35	
Matrix Spike (BL12651-MS1)	Matrix Spike	*Source sample: 21L0910-09 (EP05_0-2)							Prepared & Analyzed: 12/22/2021			
Mercury		1.05		mg/kg	0.500	0.473	116	75-125				
Reference (BL12651-SRM1)	Reference								Prepared & Analyzed: 12/22/2021			
Mercury		25.602		mg/kg	27.2		94.1	59.9-140.1				
Batch BL12652 - EPA 7473 soil												
Blank (BL12652-BLK1)	Blank								Prepared & Analyzed: 12/22/2021			
Mercury		ND	0.0300	mg/kg wet								

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 BL12652 - EPA 7473 soil											
Duplicate (BL12652-DUP1) Duplicate	*Source sample: 21L0910-10 (EP14_0-2)							Prepared & Analyzed: 12/22/2021			
Mercury	0.446	0.0333	mg/kg dry		0.479				7.00	35	
Matrix Spike (BL12652-MS1) Matrix Spike	*Source sample: 21L0910-10 (EP14_0-2)							Prepared & Analyzed: 12/22/2021			
Mercury	0.955		mg/kg	0.500	0.432	105	75-125				
Reference (BL12652-SRM1) Reference								Prepared & Analyzed: 12/22/2021			
Mercury	26.248		mg/kg	27.2		96.5	59.9-140.1				

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 BL12185 - Analysis Preparation												
Blank (BL12185-BLK1)	Blank								Prepared & Analyzed: 12/15/2021			
Chromium, Hexavalent		ND	0.0100	mg/L								
LCS (BL12185-BS1)	LCS								Prepared & Analyzed: 12/15/2021			
Chromium, Hexavalent		0.515	0.0100	mg/L	0.500		103	80-120				
Duplicate (BL12185-DUP1)	Duplicate	*Source sample: 21L0871-01 (Duplicate)							Prepared & Analyzed: 12/15/2021			
Chromium, Hexavalent		ND	0.0100	mg/L		ND					20	
Matrix Spike (BL12185-MS1)	Matrix Spike	*Source sample: 21L0871-01 (Matrix Spike)							Prepared & Analyzed: 12/15/2021			
Chromium, Hexavalent		0.499	0.0100	mg/L	0.500	ND	99.8	75-125				
Batch BL12242 - Analysis Preparation												
Blank (BL12242-BLK1)	Blank								Prepared & Analyzed: 12/16/2021			
Cyanide, total		ND	0.0100	mg/L								
LCS (BL12242-BS1)	LCS								Prepared & Analyzed: 12/16/2021			
Cyanide, total		0.185	0.0100	mg/L	0.200		92.5	76.2-107				
Duplicate (BL12242-DUP1)	Duplicate	*Source sample: 21L0882-04 (Duplicate)							Prepared & Analyzed: 12/16/2021			
Cyanide, total		ND	0.0100	mg/L		ND					15	
Matrix Spike (BL12242-MS1)	Matrix Spike	*Source sample: 21L0882-04 (Matrix Spike)							Prepared & Analyzed: 12/16/2021			
Cyanide, total		ND	0.0100	mg/L	0.200	ND		79-105	Low Bias			
Batch BL12564 - EPA SW846-3060												
Blank (BL12564-BLK1)	Blank								Prepared & Analyzed: 12/21/2021			
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 BL12564 - EPA SW846-3060											
Duplicate (BL12564-DUP1) Duplicate	*Source sample: 21L0910-09 (EP05_0-2)							Prepared & Analyzed: 12/21/2021			
Chromium, Hexavalent	ND	0.517	mg/kg dry		ND					35	
Matrix Spike (BL12564-MS1) Matrix Spike	*Source sample: 21L0910-09 (EP05_0-2)							Prepared & Analyzed: 12/21/2021			
Chromium, Hexavalent	10.8	0.517	mg/kg dry	20.7	ND	52.2	75-125	Low Bias			
Reference (BL12564-SRM1) Reference								Prepared & Analyzed: 12/21/2021			
Chromium, Hexavalent	82.3		mg/L	109		75.5	30-169.7				
Batch BL12626 - EPA SW846-3060											
Blank (BL12626-BLK1) Blank								Prepared & Analyzed: 12/22/2021			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BL12626-DUP1) Duplicate	*Source sample: 21L0910-10 (EP14_0-2)							Prepared & Analyzed: 12/22/2021			
Chromium, Hexavalent	ND	0.555	mg/kg dry		ND					35	
Matrix Spike (BL12626-MS1) Matrix Spike	*Source sample: 21L0910-10 (EP14_0-2)							Prepared & Analyzed: 12/22/2021			
Chromium, Hexavalent	22.7	0.555	mg/kg dry	22.2	ND	102	75-125				
Reference (BL12626-SRM1) Reference								Prepared & Analyzed: 12/22/2021			
Chromium, Hexavalent	132		mg/L	109		121	30-169.7				
Batch BL12630 - Analysis Preparation Soil											
Blank (BL12630-BLK1) Blank								Prepared & Analyzed: 12/22/2021			
Cyanide, total	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 BL12630 - Analysis Preparation Soil												
Duplicate (BL12630-DUP1)	Duplicate	*Source sample: 21L0910-10 (EP14_0-2)							Prepared & Analyzed: 12/22/2021			
Cyanide, total		0.666	0.555	mg/kg dry		ND					15	
Matrix Spike (BL12630-MS1)	Matrix Spike	*Source sample: 21L0910-10 (EP14_0-2)							Prepared & Analyzed: 12/22/2021			
Cyanide, total		7.55	0.555	mg/kg dry	11.1	ND	68.0	79.6-107	Low Bias			
Reference (BL12630-SRM1)	Reference								Prepared & Analyzed: 12/22/2021			
Cyanide, total		95.6		ug/mL	91.9		104	42.22-159.96				
Batch BL12668 - Analysis Preparation Soil												
Blank (BL12668-BLK1)	Blank								Prepared & Analyzed: 12/22/2021			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BL12668-DUP1)	Duplicate	*Source sample: 21L0910-09 (EP05_0-2)							Prepared & Analyzed: 12/22/2021			
Cyanide, total		ND	0.517	mg/kg dry		ND					15	
Matrix Spike (BL12668-MS1)	Matrix Spike	*Source sample: 21L0910-09 (EP05_0-2)							Prepared & Analyzed: 12/22/2021			
Cyanide, total		4.90	0.517	mg/kg dry	10.3	ND	47.4	79.6-107	Low Bias			
Reference (BL12668-SRM1)	Reference								Prepared & Analyzed: 12/22/2021			
Cyanide, total		65.9		ug/mL	91.9		71.7	42.22-159.96				

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 BL12570 - % Solids Prep											
Duplicate (BL12570-DUP1) Duplicate	*Source sample: 21L0910-09 (EP05_0-2)							Prepared & Analyzed: 12/21/2021			
% Solids	96.7	0.100	%		96.7				0.0117	20	
Batch BL12649 - % Solids Prep											
Duplicate (BL12649-DUP1) Duplicate	*Source sample: 21L0910-10 (EP14_0-2)							Prepared & Analyzed: 12/22/2021			
% Solids	88.9	0.100	%		90.1				1.35	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21L0910-05	EP05_2-3	40mL Pre-Tared Vial + 10mL MeOH; Cool to 4° C
21L0910-07	TB01_121521	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L0910-08	FB02_121521	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21L0910-09	EP05_0-2	40mL Vial with Stir Bar-Cool 4° C
21L0910-10	EP14_0-2	40mL Vial with Stir Bar-Cool 4° C
21L0910-11	EP02_0-2	40mL Vial with Stir Bar-Cool 4° C
21L0910-12	EP09_0-2	40mL Vial with Stir Bar-Cool 4° C
21L0910-13	SODUP01_121521	40mL Vial with Stir Bar-Cool 4° C
21L0910-14	SODUP02_121521	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
M-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
PFAS-MSL	The recovery for this matrix spike compound was below control limits possibly due to matrix effects or non-homogenieity of the sample verses the native sample
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
QC-LCS	LCS/LCS Dup recovery was above laboratory control limits. Sample does not contain any target compounds; therefore sample results are acceptable.
S-GC	Two surrogates are used for this analysis. One surrogate recovered within control limits therefore the analysis is acceptable.
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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-01	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
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.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
S-01	The surrogate recovery for this sample may not be available due to sample dilution required from high analyte concentration and/or matrix interferences.
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.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.

MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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

Field Chain-of-Custody Record

YORK Project No. 21L0910

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 ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170420201	RUSH - Next Day
Address: 360 W. 31st Street New York, NY	Address:	Address:	YOUR Project Name: 459 Smith Street	RUSH - Two Day
Phone.: 212-479-5400	Phone.:	Phone.:		RUSH - Three Day
Contact: Joseph Yanowitz	Contact:	Contact:		RUSH - Four Day
E-mail: JYanowitz@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) ✓

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

Andrew Nesci

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

[signature]

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS	
WW - wastewater	Pennsylvania	NY ASP B Package		NJDEP SRP HazSite	
O - Oil ⋮ Other	Other		NJDKQP	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP02_5-7	soil	12/15/21 13:13	PFAS, 1,4-Dioxane	
EP05_6-8	c	11:45	↓	
EP09_2-3		14:45		
EP14_9-11		9:00		
EP05_2-3		11:45	VOCs, SVOCs	
SOFB02_121521		10:12	PFAS	
TB01_121521		~~15:25~~	VOCs	
FB02_121521		15:25	Part 375 VOCs, SVOCs, PCBs, TAL Metals, Hex/Tri Chrome cyanide, Pest/Herb, 1,4-Dioxane	

Comments: Please include ~~PM~~ PMcMahon@langan.com

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

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Andrew Nesci / Langan	12/15/21 16:38	Tom A / York	12/15/21 1438	Tom A / York	12/15/21 1930
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Francisco / York	12/15/21 1930	Francisco / York	12/15/21 2123		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				[signature]	12/15/21 2123

Temp. Received at Lab: 2.7 Degrees C

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

YORK ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

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

YORK Project No. 210910

Page ____ of ____

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 W. 31st Street New York, NY	Address:	Address:
Phone.: 212-479-5400	Phone.:	Phone.:
Contact: Joseph Yanowitz	Contact:	Contact:
E-mail: JYanowitz@langan.com	E-mail:	E-mail:

YOUR Project Number: 170420201

YOUR Project Name: 459 Smith Street

YOUR PO#:

Turn-Around Time: RUSH - Next Day; RUSH - Two Day; RUSH - Three Day; RUSH - Four Day; Standard (5-7 Day) ✓

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

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

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP05-0-2	Soil ~~12/15/21~~	11:15 12/15/21	Part 375 VOCs, SVOCs, PCBs, TAL Metals, Hexavalent chrome, Cyanide, Pest/Herb, PFAS, 1,4-Dioxane	
EP14-0-2		8:40		
EP02-0-2		13:08		
EP04-0-2		14:35		
SODUP01-121521		—		
SODUP02-121521		—		
SOMS01-121521		8:50		Parent = EP14-0-2
SOMSD01-121521		8:55		
SOMSD02-121521		11:30		Parent = EP05-0-2
SOMSD02-121521		11:20		

Comments: Please include PMcMahon@Langan.com

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

Special Instruction: Field Filtered ___ Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Andrew Nesci / Langan	12/15/21 16:38	Tom A / York	12/15/21 1638	Tom A / York	12/15/21 1920
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Francisco / York	12/15/21 1920	Francisco / York	12/15/21 2123		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				J Gale	12/15/21 2123

Temp. Received at Lab: 27 Degrees C

Technical Report

prepared for:

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

Report Date: 12/30/2021
Client Project ID: 170420201
York Project (SDG) No.: 21L0966

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

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

Report Date: 12/30/2021
Client Project ID: 170420201
York Project (SDG) No.: 21L0966

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

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 December 16, 2021 and listed below. The project was identified as your project: **170420201**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L0966-01	EP06_0-2	Soil	12/16/2021	12/16/2021
21L0966-02	EP04_0-2	Soil	12/16/2021	12/16/2021
21L0966-03	EP08_0-2	Soil	12/16/2021	12/16/2021
21L0966-04	EP01_0-2	Soil	12/16/2021	12/16/2021
21L0966-05	EP07_0-2	Soil	12/16/2021	12/16/2021
21L0966-06	EP06_9-11	Soil	12/16/2021	12/16/2021
21L0966-07	EP04_6-8	Soil	12/16/2021	12/16/2021
21L0966-08	EP08_8-10	Soil	12/16/2021	12/16/2021
21L0966-09	EP01_5-7	Soil	12/16/2021	12/16/2021
21L0966-10	EP07_9-11	Soil	12/16/2021	12/16/2021
21L0966-11	SOFB03_121621	Water	12/16/2021	12/16/2021

General Notes for York Project (SDG) No.: 21L0966

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

Approved By **Date:** 12/30/2021

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **EP06_0-2** **York Sample ID:** **21L0966-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:52 pm	12/16/2021

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	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.057	0.11	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP06_0-2** **York Sample ID:** **21L0966-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:52 pm	12/16/2021

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	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.012**		mg/kg dry	0.0057	0.011	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP06_0-2** **York Sample ID:** **21L0966-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:52 pm	12/16/2021

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	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0071**	J	mg/kg dry	0.0057	0.011	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0057	0.011	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP06_0-2** **York Sample ID:** **21L0966-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:52 pm	12/16/2021

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	0.0029	0.0057	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0086	0.017	1	EPA 8260C	12/21/2021 06:18	12/22/2021 06:32	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*109 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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	0.0470	0.0937	2	EPA 8270D	12/28/2021 07:52	12/28/2021 16:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D	12/28/2021 07:52	12/28/2021 16:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D	12/28/2021 07:52	12/28/2021 16:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D	12/28/2021 07:52	12/28/2021 16:55	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D	12/28/2021 07:52	12/28/2021 16:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D	12/28/2021 07:52	12/28/2021 16:55	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D	12/28/2021 07:52	12/28/2021 16:55	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D	12/28/2021 07:52	12/28/2021 16:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D	12/28/2021 07:52	12/28/2021 16:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D	12/28/2021 07:52	12/28/2021 16:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D	12/28/2021 07:52	12/28/2021 16:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D	12/28/2021 07:52	12/28/2021 16:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D	12/28/2021 07:52	12/28/2021 16:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D	12/28/2021 07:52	12/28/2021 16:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP06_0-2** **York Sample ID:** **21L0966-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:52 pm	12/16/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
83-32-9	**Acenaphthene**	**0.0704**	J	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
208-96-8	**Acenaphthylene**	**0.121**		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
62-53-3	Aniline	ND		mg/kg dry	0.188	0.375	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
120-12-7	**Anthracene**	**0.250**		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH

Sample Information

Client Sample ID: **EP06_0-2** **York Sample ID:** **21L0966-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:52 pm	12/16/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
92-87-5	Benzidine	ND		mg/kg dry	0.188	0.375	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
56-55-3	**Benzo(a)anthracene**	**0.632**		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
50-32-8	**Benzo(a)pyrene**	**0.655**		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
205-99-2	**Benzo(b)fluoranthene**	**0.481**		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.386**		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
207-08-9	**Benzo(k)fluoranthene**	**0.526**		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0937	0.187	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
86-74-8	**Carbazole**	**0.0764**	J	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
218-01-9	**Chrysene**	**0.588**		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.108**		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH

Sample Information

Client Sample ID: **EP06_0-2** **York Sample ID:** **21L0966-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:52 pm	12/16/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
206-44-0	**Fluoranthene**	**1.21**		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
86-73-7	**Fluorene**	**0.102**		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.417**		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
91-20-3	**Naphthalene**	**0.0509**	J	mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
85-01-8	**Phenanthrene**	**0.766**		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
108-95-2	Phenol	ND		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH
129-00-0	**Pyrene**	**1.09**		mg/kg dry	0.0470	0.0937	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 16:55	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*64.5 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*66.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*88.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*67.3 %*	*21-113*

Sample Information

Client Sample ID: **EP06_0-2** **York Sample ID:** **21L0966-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:52 pm	12/16/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*94.2 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*79.3 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	18.9	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 10:26	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*42.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL

Sample Information

Client Sample ID: **EP06_0-2** **York Sample ID:** **21L0966-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:52 pm	12/16/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.265	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 18:50	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*88.1 %*	*25-150*
Surrogate: M5PFHxA	*75.1 %*	*25-150*
Surrogate: M4PFHpA	*90.8 %*	*25-150*
Surrogate: M3PFHxS	*77.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*83.4 %*	*25-150*
Surrogate: M6PFDA	*67.2 %*	*25-150*
Surrogate: M7PFUdA	*60.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*57.1 %*	*25-150*
Surrogate: M2PFTeDA	*46.1 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*76.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*58.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*76.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*52.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*51.1 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*53.5 %*	*25-150*
Surrogate: M2-6:2 FTS	*51.3 %*	*25-200*
Surrogate: M2-8:2 FTS	*39.4 %*	*25-200*
Surrogate: M9PFNA	*74.8 %*	*25-150*

Sample Information

Client Sample ID: **EP06_0-2** **York Sample ID:** **21L0966-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:52 pm	12/16/2021

Pesticides, 8081 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	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.184	5	EPA 8081B	12/28/2021 13:04	12/30/2021 09:43	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP06_0-2** **York Sample ID:** **21L0966-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:52 pm	12/16/2021

Pesticides, 8081 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

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*67.3 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*36.1 %*	*30-150*

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 16:30	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 16:30	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 16:30	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 16:30	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 16:30	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 16:30	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 16:30	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications:	12/28/2021 13:04	12/29/2021 16:30	BJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*56.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*44.0 %*	*30-120*

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:55	12/28/2021 17:16	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:55	12/28/2021 17:16	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:55	12/28/2021 17:16	BJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*67.4 %*	*21-150*

Sample Information

Client Sample ID: **EP06_0-2** **York Sample ID:** **21L0966-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:52 pm	12/16/2021

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**	**8290**	B	mg/kg dry	5.66	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.83	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**11.2**		mg/kg dry	1.70	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**84.1**		mg/kg dry	2.83	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.533**		mg/kg dry	0.339	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**84000**	B	mg/kg dry	5.66	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**25.8**		mg/kg dry	0.566	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.50**		mg/kg dry	0.453	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**47.7**		mg/kg dry	2.26	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**13500**		mg/kg dry	28.3	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**115**		mg/kg dry	0.566	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**9530**		mg/kg dry	5.66	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**208**		mg/kg dry	0.566	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**23.1**		mg/kg dry	1.13	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1510**		mg/kg dry	5.66	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.83	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.566	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**309**		mg/kg dry	56.6	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.83	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**22.2**		mg/kg dry	1.13	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP06_0-2** **York Sample ID:** **21L0966-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:52 pm	12/16/2021

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
7440-66-6	**Zinc**	**152**		mg/kg dry	2.83	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:14	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.511**	B	mg/kg dry	0.0339	1	EPA 7473	12/23/2021 10:06	12/23/2021 15:35	K T
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	0.566	1	EPA 7196A	12/22/2021 07:48	12/22/2021 16:19	MAO
							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	12/27/2021 13:59	12/27/2021 15:05	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**	**1.23**		mg/kg dry	0.566	1	EPA 9014/9010C	12/22/2021 14:35	12/22/2021 23:00	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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**	**88.4**		%	0.100	1	SM 2540G	12/23/2021 10:42	12/23/2021 14:38	AD
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **EP04_0-2** **York Sample ID:** **21L0966-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:45 pm	12/16/2021

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	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.048	0.097	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP04_0-2** **York Sample ID:** **21L0966-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:45 pm	12/16/2021

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	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.013**		mg/kg dry	0.0048	0.0097	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP04_0-2** **York Sample ID:** **21L0966-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:45 pm	12/16/2021

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	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0074**	J	mg/kg dry	0.0048	0.0097	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0048	0.0097	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0024	0.0048	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP04_0-2** **York Sample ID:** **21L0966-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:45 pm	12/16/2021

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	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:00	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*107 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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**	**0.178**		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP04_0-2** **York Sample ID:** **21L0966-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:45 pm	12/16/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
91-57-6	**2-Methylnaphthalene**	**0.624**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
83-32-9	**Acenaphthene**	**2.48**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
208-96-8	**Acenaphthylene**	**0.303**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
62-53-3	Aniline	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
120-12-7	**Anthracene**	**4.40**		mg/kg dry	0.230	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/30/2021 01:38	KH

Sample Information

Client Sample ID: **EP04_0-2** **York Sample ID:** **21L0966-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:45 pm	12/16/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
92-87-5	Benzidine	ND		mg/kg dry	0.184	0.368	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
56-55-3	**Benzo(a)anthracene**	**7.60**		mg/kg dry	0.230	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/30/2021 01:38	KH
50-32-8	**Benzo(a)pyrene**	**7.10**		mg/kg dry	0.230	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/30/2021 01:38	KH
205-99-2	**Benzo(b)fluoranthene**	**5.43**		mg/kg dry	0.230	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/30/2021 01:38	KH
191-24-2	**Benzo(g,h,i)perylene**	**3.59**		mg/kg dry	0.230	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/30/2021 01:38	KH
207-08-9	**Benzo(k)fluoranthene**	**5.50**		mg/kg dry	0.230	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/30/2021 01:38	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.0749**	J	mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0919	0.184	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
86-74-8	**Carbazole**	**1.64**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
218-01-9	**Chrysene**	**6.86**		mg/kg dry	0.230	0.460	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/30/2021 01:38	KH
53-70-3	**Dibenzo(a,h)anthracene**	**1.60**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
132-64-9	**Dibenzofuran**	**1.08**		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:25	KH

Sample Information

Client Sample ID: **EP04_0-2** **York Sample ID:** **21L0966-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:45 pm	12/16/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**18.3**		mg/kg dry	0.576	1.15	25	EPA 8270D	12/28/2021 07:52	12/30/2021 01:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**2.10**		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**4.08**		mg/kg dry	0.230	0.460	10	EPA 8270D	12/28/2021 07:52	12/30/2021 01:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
78-59-1	Isophorone	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**1.46**		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**14.2**		mg/kg dry	0.230	0.460	10	EPA 8270D	12/28/2021 07:52	12/30/2021 01:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0461	0.0919	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**16.7**		mg/kg dry	0.576	1.15	25	EPA 8270D	12/28/2021 07:52	12/30/2021 01:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*76.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*78.0 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*103 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*76.2 %*	*21-113*

Sample Information

Client Sample ID: **EP04_0-2** **York Sample ID:** **21L0966-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:45 pm	12/16/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*101 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*95.2 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	18.5	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 10:43	KH

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*32.0 %*	S-04	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL

Sample Information

Client Sample ID: **EP04_0-2** **York Sample ID:** **21L0966-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:45 pm	12/16/2021

PFAS, NYSDEC Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.239	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:15	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*88.9 %*	*25-150*
Surrogate: M5PFHxA	*80.8 %*	*25-150*
Surrogate: M4PFHpA	*97.2 %*	*25-150*
Surrogate: M3PFHxS	*85.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*89.6 %*	*25-150*
Surrogate: M6PFDA	*68.7 %*	*25-150*
Surrogate: M7PFUdA	*61.4 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*58.1 %*	*25-150*
Surrogate: M2PFTeDA	*56.2 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*82.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*70.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*83.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*63.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*77.3 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*56.3 %*	*25-150*
Surrogate: M2-6:2 FTS	*61.0 %*	*25-200*
Surrogate: M2-8:2 FTS	*52.3 %*	*25-200*
Surrogate: M9PFNA	*89.1 %*	*25-150*

Sample Information

Client Sample ID: **EP04_0-2** **York Sample ID:** **21L0966-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:45 pm	12/16/2021

Pesticides, 8081 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	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.180	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:00	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP04_0-2** **York Sample ID:** **21L0966-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:45 pm	12/16/2021

Pesticides, 8081 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

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*75.2 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*41.9 %*	*30-150*

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 16:45	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 16:45	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 16:45	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 16:45	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 16:45	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 16:45	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 16:45	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0182	1	EPA 8082A Certifications:	12/28/2021 13:04	12/29/2021 16:45	BJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*56.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*46.0 %*	*30-120*

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0221	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:55	12/28/2021 17:26	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0221	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:55	12/28/2021 17:26	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0221	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:55	12/28/2021 17:26	BJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*94.6 %*	*21-150*

Sample Information

Client Sample ID: **EP04_0-2** **York Sample ID:** **21L0966-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:45 pm	12/16/2021

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**	**8370**	B	mg/kg dry	5.55	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.77	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**5.19**		mg/kg dry	1.66	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**82.2**		mg/kg dry	2.77	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.496**		mg/kg dry	0.333	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**62200**	B	mg/kg dry	5.55	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**22.6**		mg/kg dry	0.555	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**6.20**		mg/kg dry	0.444	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**33.1**		mg/kg dry	2.22	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**16000**		mg/kg dry	27.7	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**101**		mg/kg dry	0.555	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**15900**		mg/kg dry	5.55	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**292**		mg/kg dry	0.555	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**21.4**		mg/kg dry	1.11	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1830**		mg/kg dry	5.55	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.77	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.555	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**206**		mg/kg dry	55.5	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.77	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**24.6**		mg/kg dry	1.11	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP04_0-2** **York Sample ID:** **21L0966-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:45 pm	12/16/2021

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
7440-66-6	**Zinc**	**234**		mg/kg dry	2.77	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:17	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.816**	B	mg/kg dry	0.0333	1	EPA 7473	12/23/2021 10:06	12/23/2021 12:45	K T
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	0.555	1	EPA 7196A	12/22/2021 07:48	12/22/2021 16:19	MAO
							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	12/27/2021 13:59	12/27/2021 15:05	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	0.555	1	EPA 9014/9010C	12/22/2021 14:35	12/22/2021 23:00	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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**	**90.1**		%	0.100	1	SM 2540G	12/23/2021 10:42	12/23/2021 14:38	AD
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **EP08_0-2** **York Sample ID:** **21L0966-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:45 pm	12/16/2021

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	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.040	0.079	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP08_0-2** **York Sample ID:** **21L0966-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:45 pm	12/16/2021

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	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP08_0-2** **York Sample ID:** **21L0966-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:45 pm	12/16/2021

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	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0053**	J	mg/kg dry	0.0040	0.0079	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0040	0.0079	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0020	0.0040	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP08_0-2** **York Sample ID:** **21L0966-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:45 pm	12/16/2021

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	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0059	0.012	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*112 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*107 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP08_0-2** **York Sample ID:** **21L0966-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:45 pm	12/16/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
83-32-9	**Acenaphthene**	**0.0573**	J	mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
208-96-8	**Acenaphthylene**	**0.0656**	J	mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
62-53-3	Aniline	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
120-12-7	**Anthracene**	**0.163**		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH

Sample Information

Client Sample ID: **EP08_0-2** **York Sample ID:** **21L0966-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:45 pm	12/16/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
92-87-5	Benzidine	ND		mg/kg dry	0.189	0.378	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
56-55-3	**Benzo(a)anthracene**	**0.425**		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
50-32-8	**Benzo(a)pyrene**	**0.380**		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
205-99-2	**Benzo(b)fluoranthene**	**0.299**		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.251**		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
207-08-9	**Benzo(k)fluoranthene**	**0.300**		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0943	0.188	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
86-74-8	**Carbazole**	**0.0596**	J	mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
218-01-9	**Chrysene**	**0.387**		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.0905**	J	mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 17:55	KH

Sample Information

Client Sample ID: **EP08_0-2** **York Sample ID:** **21L0966-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:45 pm	12/16/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
206-44-0	**Fluoranthene**	**0.793**		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-73-7	**Fluorene**	**0.0671**	J	mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.276**		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
78-59-1	Isophorone	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-20-3	Naphthalene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
85-01-8	**Phenanthrene**	**0.554**		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-95-2	Phenol	ND		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
129-00-0	**Pyrene**	**0.799**		mg/kg dry	0.0473	0.0943	2	EPA 8270D	12/28/2021 07:52	12/28/2021 17:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*70.2 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*70.3 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*89.1 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*69.0 %*	*21-113*

Sample Information

Client Sample ID: **EP08_0-2** **York Sample ID:** **21L0966-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:45 pm	12/16/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*86.8 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*83.7 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 11:00	KH

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*32.0 %*	S-04	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL

Sample Information

Client Sample ID: **EP08_0-2** **York Sample ID:** **21L0966-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:45 pm	12/16/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**0.490**		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.394**		ug/kg dry	0.218	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:27	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*84.5 %*	*25-150*
Surrogate: M5PFHxA	*72.8 %*	*25-150*
Surrogate: M4PFHpA	*70.9 %*	*25-150*
Surrogate: M3PFHxS	*74.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*88.4 %*	*25-150*
Surrogate: M6PFDA	*78.4 %*	*25-150*
Surrogate: M7PFUdA	*61.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*56.6 %*	*25-150*
Surrogate: M2PFTeDA	*49.3 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*71.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*78.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*72.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*45.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*77.1 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*83.8 %*	*25-150*
Surrogate: M2-6:2 FTS	*104 %*	*25-200*
Surrogate: M2-8:2 FTS	*74.8 %*	*25-200*
Surrogate: M9PFNA	*77.2 %*	*25-150*

Sample Information

Client Sample ID: **EP08_0-2** **York Sample ID:** **21L0966-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:45 pm	12/16/2021

Pesticides, 8081 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	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.185	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:17	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP08_0-2** **York Sample ID:** **21L0966-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:45 pm	12/16/2021

Pesticides, 8081 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

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*78.2 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*43.6 %*	*30-150*

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 17:01	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 17:01	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 17:01	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 17:01	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 17:01	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 17:01	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 17:01	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	12/28/2021 13:04	12/29/2021 17:01	BJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*58.5 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*45.0 %*	*30-120*

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:55	12/28/2021 17:37	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:55	12/28/2021 17:37	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0226	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:55	12/28/2021 17:37	BJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*97.6 %*	*21-150*

Sample Information

Client Sample ID: **EP08_0-2** **York Sample ID:** **21L0966-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:45 pm	12/16/2021

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**	**14700**	B	mg/kg dry	5.67	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	**Antimony**	**3.44**		mg/kg dry	2.84	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**5.30**		mg/kg dry	1.70	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**95.0**		mg/kg dry	2.84	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.453**		mg/kg dry	0.340	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**10200**	B	mg/kg dry	5.67	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**20.0**		mg/kg dry	0.567	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**10.0**		mg/kg dry	0.454	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**86.3**		mg/kg dry	2.27	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**21200**		mg/kg dry	28.4	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**137**		mg/kg dry	0.567	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3010**		mg/kg dry	5.67	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**468**		mg/kg dry	0.567	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**28.0**		mg/kg dry	1.13	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1310**		mg/kg dry	5.67	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.84	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.567	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**187**		mg/kg dry	56.7	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.84	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**29.6**		mg/kg dry	1.13	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP08_0-2** **York Sample ID:** **21L0966-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:45 pm	12/16/2021

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
7440-66-6	**Zinc**	**129**		mg/kg dry	2.84	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:19	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.22**	B	mg/kg dry	0.0340	1	EPA 7473	12/23/2021 10:06	12/23/2021 12:54	K T
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	12/22/2021 07:48	12/22/2021 16:19	MAO
							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**	**20.0**		mg/kg	0.500	1	Calculation	12/27/2021 13:59	12/27/2021 15:05	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**	**3.73**		mg/kg dry	0.567	1	EPA 9014/9010C	12/22/2021 14:35	12/22/2021 23:00	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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**	**88.1**		%	0.100	1	SM 2540G	12/23/2021 10:42	12/23/2021 14:38	AD
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **EP01_0-2** **York Sample ID:** **21L0966-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:45 am	12/16/2021

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	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.10	0.21	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP01_0-2** **York Sample ID:** **21L0966-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:45 am	12/16/2021

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	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.010	0.021	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.010	0.021	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP01_0-2** **York Sample ID:** **21L0966-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:45 am	12/16/2021

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	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.010**	J	mg/kg dry	0.010	0.021	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.010	0.021	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	**Tetrachloroethylene**	**0.16**		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	**Trichloroethylene**	**0.013**		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP01_0-2** **York Sample ID:** **21L0966-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:45 am	12/16/2021

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	0.0052	0.010	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.016	0.031	1	EPA 8260C	12/21/2021 06:18	12/22/2021 07:55	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*107 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0931	0.186	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0931	0.186	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0931	0.186	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP01_0-2** **York Sample ID:** **21L0966-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:45 am	12/16/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
91-57-6	**2-Methylnaphthalene**	**0.147**		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0931	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0931	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0931	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0931	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0931	0.186	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
83-32-9	**Acenaphthene**	**0.195**		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
208-96-8	**Acenaphthylene**	**1.06**		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
62-53-3	Aniline	ND		mg/kg dry	0.186	0.373	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
120-12-7	**Anthracene**	**0.774**		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH

Sample Information

Client Sample ID: **EP01_0-2** **York Sample ID:** **21L0966-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:45 am	12/16/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
92-87-5	Benzidine	ND		mg/kg dry	0.186	0.373	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
56-55-3	**Benzo(a)anthracene**	**2.06**		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
50-32-8	**Benzo(a)pyrene**	**2.34**		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
205-99-2	**Benzo(b)fluoranthene**	**1.83**		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
191-24-2	**Benzo(g,h,i)perylene**	**1.85**		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
207-08-9	**Benzo(k)fluoranthene**	**1.64**		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.0714**	J	mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0931	0.186	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
86-74-8	**Carbazole**	**0.185**		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
218-01-9	**Chrysene**	**2.13**		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.647**		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
132-64-9	**Dibenzofuran**	**0.110**		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:25	KH

Sample Information

Client Sample ID: **EP01_0-2** **York Sample ID:** **21L0966-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:45 am	12/16/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**3.67**		mg/kg dry	0.117	0.233	5	EPA 8270D	12/28/2021 07:52	12/30/2021 02:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**0.292**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1.77**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
78-59-1	Isophorone	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.251**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**2.15**		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0467	0.0931	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:25	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**4.38**		mg/kg dry	0.117	0.233	5	EPA 8270D	12/28/2021 07:52	12/30/2021 02:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*45.1 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*61.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*81.1 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*61.2 %*	*21-113*

Sample Information

Client Sample ID: **EP01_0-2** **York Sample ID:** **21L0966-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:45 am	12/16/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*16.5 %*	S-08		*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*82.0 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 11:17	KH

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*30.0 %*	S-04	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.443**		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL

Sample Information

Client Sample ID: **EP01_0-2** **York Sample ID:** **21L0966-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:45 am	12/16/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**1.03**		ug/kg dry	0.271	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:39	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*82.2 %*	*25-150*
Surrogate: M5PFHxA	*78.5 %*	*25-150*
Surrogate: M4PFHpA	*79.6 %*	*25-150*
Surrogate: M3PFHxS	*93.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*97.3 %*	*25-150*
Surrogate: M6PFDA	*97.5 %*	*25-150*
Surrogate: M7PFUdA	*67.8 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*68.2 %*	*25-150*
Surrogate: M2PFTeDA	*59.4 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*73.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*89.0 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*64.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*59.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*94.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*105 %*	*25-150*
Surrogate: M2-6:2 FTS	*97.3 %*	*25-200*
Surrogate: M2-8:2 FTS	*119 %*	*25-200*
Surrogate: M9PFNA	*88.0 %*	*25-150*

Sample Information

Client Sample ID: **EP01_0-2** **York Sample ID:** **21L0966-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:45 am	12/16/2021

Pesticides, 8081 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	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.183	5	EPA 8081B	12/28/2021 13:04	12/30/2021 10:33	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP01_0-2** **York Sample ID:** **21L0966-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:45 am	12/16/2021

Pesticides, 8081 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

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*66.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*43.7 %*	*30-150*

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 17:16	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 17:16	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 17:16	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 17:16	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 17:16	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 17:16	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:04	12/29/2021 17:16	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0185	1	EPA 8082A Certifications:	12/28/2021 13:04	12/29/2021 17:16	BJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*55.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*40.0 %*	*30-120*

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:55	12/28/2021 17:48	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:55	12/28/2021 17:48	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0223	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:55	12/28/2021 17:48	BJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*69.0 %*	*21-150*

Sample Information

Client Sample ID: **EP01_0-2** **York Sample ID:** **21L0966-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:45 am	12/16/2021

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**	B	mg/kg dry	5.60	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.80	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**19.5**		mg/kg dry	1.68	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**122**		mg/kg dry	2.80	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.700**		mg/kg dry	0.336	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**48600**	B	mg/kg dry	5.60	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**21.2**		mg/kg dry	0.560	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**9.82**		mg/kg dry	0.448	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**78.4**		mg/kg dry	2.24	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**17000**		mg/kg dry	28.0	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**230**		mg/kg dry	0.560	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**11000**		mg/kg dry	5.60	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**258**		mg/kg dry	0.560	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**33.8**		mg/kg dry	1.12	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1610**		mg/kg dry	5.60	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.80	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.560	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**228**		mg/kg dry	56.0	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.80	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**35.9**		mg/kg dry	1.12	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP01_0-2** **York Sample ID:** **21L0966-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:45 am	12/16/2021

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
7440-66-6	**Zinc**	**156**		mg/kg dry	2.80	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:22	RTH
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.733**	B	mg/kg dry	0.0336	1	EPA 7473	12/23/2021 10:06	12/23/2021 13:06	K T
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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	0.560	1	EPA 7196A	12/22/2021 07:48	12/22/2021 16:19	MAO
							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**	**21.2**		mg/kg	0.500	1	Calculation	12/27/2021 13:59	12/27/2021 15:05	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**	**3.92**		mg/kg dry	0.560	1	EPA 9014/9010C	12/22/2021 14:35	12/22/2021 23:00	MAO
							Certifications: NELAC-NY10854,CTDOH,NJDEP,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**	**89.3**		%	0.100	1	SM 2540G	12/23/2021 10:42	12/23/2021 14:38	AD
							Certifications: CTDOH			

Sample Information

Client Sample ID: **EP07_0-2** **York Sample ID:** **21L0966-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:45 am	12/16/2021

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	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.042	0.085	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP07_0-2

York Sample ID: 21L0966-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:45 am	12/16/2021

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	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: EP07_0-2

York Sample ID: 21L0966-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:45 am	12/16/2021

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	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0042	0.0085	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0021	0.0042	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP07_0-2** **York Sample ID:** **21L0966-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:45 am	12/16/2021

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	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C	12/21/2021 06:18	12/22/2021 08:23	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*114 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*106 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.7 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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**	**0.164**		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0900	0.180	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0900	0.180	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0900	0.180	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP07_0-2** **York Sample ID:** **21L0966-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:45 am	12/16/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
91-57-6	**2-Methylnaphthalene**	**0.669**		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0900	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0900	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0900	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0900	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0900	0.180	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
83-32-9	**Acenaphthene**	**1.02**		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
208-96-8	**Acenaphthylene**	**2.28**		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
62-53-3	Aniline	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
120-12-7	**Anthracene**	**2.65**		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH

Sample Information

Client Sample ID: **EP07_0-2** **York Sample ID:** **21L0966-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:45 am	12/16/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
92-87-5	Benzidine	ND		mg/kg dry	0.180	0.360	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
56-55-3	**Benzo(a)anthracene**	**6.13**		mg/kg dry	0.225	0.450	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/30/2021 03:08	KH
50-32-8	**Benzo(a)pyrene**	**6.76**		mg/kg dry	0.225	0.450	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/30/2021 03:08	KH
205-99-2	**Benzo(b)fluoranthene**	**4.82**		mg/kg dry	0.225	0.450	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/30/2021 03:08	KH
191-24-2	**Benzo(g,h,i)perylene**	**4.34**		mg/kg dry	0.225	0.450	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/30/2021 03:08	KH
207-08-9	**Benzo(k)fluoranthene**	**4.36**		mg/kg dry	0.225	0.450	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/30/2021 03:08	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
85-68-7	**Benzyl butyl phthalate**	**0.0467**	J	mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.124**		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0900	0.180	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
86-74-8	**Carbazole**	**0.383**		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
218-01-9	**Chrysene**	**6.81**		mg/kg dry	0.225	0.450	10	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/30/2021 03:08	KH
53-70-3	**Dibenzo(a,h)anthracene**	**1.58**		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
132-64-9	**Dibenzofuran**	**0.413**		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 07:52	12/28/2021 18:55	KH

Sample Information

Client Sample ID: **EP07_0-2** **York Sample ID:** **21L0966-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:45 am	12/16/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**9.99**		mg/kg dry	0.225	0.450	10	EPA 8270D	12/28/2021 07:52	12/30/2021 03:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**1.47**		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**3.94**		mg/kg dry	0.225	0.450	10	EPA 8270D	12/28/2021 07:52	12/30/2021 03:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
78-59-1	Isophorone	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.862**		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**7.66**		mg/kg dry	0.225	0.450	10	EPA 8270D	12/28/2021 07:52	12/30/2021 03:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0451	0.0900	2	EPA 8270D	12/28/2021 07:52	12/28/2021 18:55	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**14.4**		mg/kg dry	0.451	0.900	20	EPA 8270D	12/28/2021 07:52	12/30/2021 02:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*66.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*68.1 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*89.0 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*70.5 %*	*21-113*

Sample Information

Client Sample ID: **EP07_0-2** **York Sample ID:** **21L0966-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:45 am	12/16/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*92.7 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*81.3 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 11:34	KH

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*30.0 %*	S-04	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.635**		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL

Sample Information

Client Sample ID: **EP07_0-2** **York Sample ID:** **21L0966-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:45 am	12/16/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.279**		ug/kg dry	0.253	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 19:51	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*84.3 %*	*25-150*
Surrogate: M5PFHxA	*76.4 %*	*25-150*
Surrogate: M4PFHpA	*93.6 %*	*25-150*
Surrogate: M3PFHxS	*85.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*94.6 %*	*25-150*
Surrogate: M6PFDA	*76.0 %*	*25-150*
Surrogate: M7PFUdA	*75.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*61.6 %*	*25-150*
Surrogate: M2PFTeDA	*57.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*81.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*75.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*83.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*62.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*77.1 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*79.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*50.1 %*	*25-200*
Surrogate: M2-8:2 FTS	*69.9 %*	*25-200*
Surrogate: M9PFNA	*77.2 %*	*25-150*

Sample Information

Client Sample ID: **EP07_0-2** **York Sample ID:** **21L0966-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:45 am	12/16/2021

Pesticides, 8081 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	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	12/28/2021 13:04	12/30/2021 10:50	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	12/28/2021 13:04	12/30/2021 10:50	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
72-20-8	Endrin	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	12/28/2021 13:04	12/30/2021 10:50	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.174	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:04	12/30/2021 10:50	CM

Sample Information

Client Sample ID: **EP07_0-2** **York Sample ID:** **21L0966-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:45 am	12/16/2021

Pesticides, 8081 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
	Surrogate Recoveries	**Result**		**Acceptance Range**						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*61.7 %*		*30-150*						
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*34.2 %*		*30-150*						

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0176	1	EPA 8082A	12/28/2021 13:04	12/29/2021 17:31	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0176	1	EPA 8082A	12/28/2021 13:04	12/29/2021 17:31	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0176	1	EPA 8082A	12/28/2021 13:04	12/29/2021 17:31	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0176	1	EPA 8082A	12/28/2021 13:04	12/29/2021 17:31	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0176	1	EPA 8082A	12/28/2021 13:04	12/29/2021 17:31	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND	PCB-I	mg/kg dry	0.0176	1	EPA 8082A	12/28/2021 13:04	12/29/2021 17:31	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0176	1	EPA 8082A	12/28/2021 13:04	12/29/2021 17:31	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0176	1	EPA 8082A	12/28/2021 13:04	12/29/2021 17:31	BJ
							Certifications:			
	Surrogate Recoveries	**Result**		**Acceptance Range**						
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*48.0 %*		*30-120*						
2051-24-3	*Surrogate: Decachlorobiphenyl*	*37.0 %*		*30-120*						

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0212	1	EPA 8151A	12/28/2021 07:55	12/28/2021 17:59	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0212	1	EPA 8151A	12/28/2021 07:55	12/28/2021 17:59	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
94-75-7	2,4-D	ND		mg/kg dry	0.0212	1	EPA 8151A	12/28/2021 07:55	12/28/2021 17:59	BJ
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
	Surrogate Recoveries	**Result**		**Acceptance Range**						
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*79.6 %*		*21-150*						

Sample Information

Client Sample ID: **EP07_0-2** **York Sample ID:** **21L0966-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:45 am	12/16/2021

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**	**7470**	B	mg/kg dry	5.43	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.71	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**6.22**		mg/kg dry	1.63	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**136**		mg/kg dry	2.71	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**1.64**		mg/kg dry	0.326	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**9220**	B	mg/kg dry	5.43	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**20.2**		mg/kg dry	0.543	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**10.4**		mg/kg dry	0.434	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**115**		mg/kg dry	2.17	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**1340**		mg/kg dry	27.1	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**297**		mg/kg dry	0.543	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**830**		mg/kg dry	5.43	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**242**		mg/kg dry	0.543	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**31.8**		mg/kg dry	1.09	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**439**		mg/kg dry	5.43	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.71	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.543	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**84.2**		mg/kg dry	54.3	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.71	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**29.4**		mg/kg dry	1.09	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP07_0-2** **York Sample ID:** **21L0966-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:45 am	12/16/2021

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
7440-66-6	**Zinc**	**196**		mg/kg dry	2.71	1	EPA 6010D	12/20/2021 15:53	12/21/2021 21:25	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**3.85**	B	mg/kg dry	0.0326	1	EPA 7473	12/23/2021 10:06	12/23/2021 15:42	K T
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	12/22/2021 07:48	12/22/2021 16:19	MAO
							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**	**20.2**		mg/kg	0.500	1	Calculation	12/27/2021 13:59	12/27/2021 15:05	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**	**7.90**		mg/kg dry	0.543	1	EPA 9014/9010C	12/22/2021 14:35	12/22/2021 23:00	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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	12/23/2021 10:42	12/23/2021 14:38	AD
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **EP06_9-11** **York Sample ID:** **21L0966-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:58 pm	12/16/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	18.7	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 11:51	KH

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*30.0 %*	S-04	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**1.58**		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**0.335**		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.284**		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**0.282**		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL

Sample Information

Client Sample ID: **EP06_9-11** **York Sample ID:** **21L0966-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 12:58 pm	12/16/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.566**		ug/kg dry	0.270	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:28	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*65.0 %*	*25-150*
Surrogate: M5PFHxA	*62.4 %*	*25-150*
Surrogate: M4PFHpA	*47.1 %*	*25-150*
Surrogate: M3PFHxS	*61.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*93.2 %*	*25-150*
Surrogate: M6PFDA	*79.3 %*	*25-150*
Surrogate: M7PFUdA	*64.2 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*48.6 %*	*25-150*
Surrogate: M2PFTeDA	*32.3 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*62.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*65.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*60.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*39.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*86.3 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*88.1 %*	*25-150*
Surrogate: M2-6:2 FTS	*123 %*	*25-200*
Surrogate: M2-8:2 FTS	*159 %*	*25-200*
Surrogate: M9PFNA	*79.0 %*	*25-150*

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**	**90.0**		%	0.100	1	SM 2540G Certifications: CTDOH	12/23/2021 10:42	12/23/2021 14:38	AD

Sample Information

Client Sample ID: **EP04_6-8** **York Sample ID:** **21L0966-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:50 pm	12/16/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	18.5	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 12:08	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL

Sample Information

Client Sample ID: **EP04_6-8** **York Sample ID:** **21L0966-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 2:50 pm	12/16/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.286	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:40	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*91.6 %*	*25-150*
Surrogate: M5PFHxA	*87.3 %*	*25-150*
Surrogate: M4PFHpA	*93.2 %*	*25-150*
Surrogate: M3PFHxS	*92.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*98.5 %*	*25-150*
Surrogate: M6PFDA	*64.3 %*	*25-150*
Surrogate: M7PFUdA	*62.7 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*69.0 %*	*25-150*
Surrogate: M2PFTeDA	*50.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*87.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*60.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*85.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*56.9 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*88.3 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*68.8 %*	*25-150*
Surrogate: M2-6:2 FTS	*67.9 %*	*25-200*
Surrogate: M2-8:2 FTS	*55.8 %*	*25-200*
Surrogate: M9PFNA	*71.2 %*	*25-150*

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**	**87.3**		%	0.100	1	SM 2540G Certifications: CTDOH	12/23/2021 11:44	12/23/2021 16:09	AD

Sample Information

Client Sample ID: **EP08_8-10** **York Sample ID:** **21L0966-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:52 pm	12/16/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	18.9	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 12:25	KH

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*32.0 %*	S-04	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**0.432**		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**0.265**		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL

Sample Information

Client Sample ID: **EP08_8-10** **York Sample ID:** **21L0966-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 1:52 pm	12/16/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.937**		ug/kg dry	0.258	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 20:53	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*71.6 %*	*25-150*
Surrogate: M5PFHxA	*71.2 %*	*25-150*
Surrogate: M4PFHpA	*58.8 %*	*25-150*
Surrogate: M3PFHxS	*68.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*95.3 %*	*25-150*
Surrogate: M6PFDA	*91.0 %*	*25-150*
Surrogate: M7PFUdA	*68.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*52.4 %*	*25-150*
Surrogate: M2PFTeDA	*35.1 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*66.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*71.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*64.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*40.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*87.7 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*93.4 %*	*25-150*
Surrogate: M2-6:2 FTS	*111 %*	*25-200*
Surrogate: M2-8:2 FTS	*140 %*	*25-200*
Surrogate: M9PFNA	*87.4 %*	*25-150*

Total Solids

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

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**86.8**		%	0.100	1	SM 2540G Certifications: CTDOH	12/23/2021 11:44	12/23/2021 16:09	AD

Sample Information

Client Sample ID: **EP01_5-7** **York Sample ID:** **21L0966-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:50 am	12/16/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 12:59	KH

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	S-04	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL

Sample Information

Client Sample ID: **EP01_5-7** **York Sample ID:** **21L0966-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 9:50 am	12/16/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.341	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:05	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*86.8 %*	*25-150*
Surrogate: M5PFHxA	*76.3 %*	*25-150*
Surrogate: M4PFHpA	*91.7 %*	*25-150*
Surrogate: M3PFHxS	*87.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*86.2 %*	*25-150*
Surrogate: M6PFDA	*76.9 %*	*25-150*
Surrogate: M7PFUdA	*63.9 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*63.1 %*	*25-150*
Surrogate: M2PFTeDA	*56.5 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*82.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*78.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*82.5 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*59.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*86.2 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*75.9 %*	*25-150*
Surrogate: M2-6:2 FTS	*68.8 %*	*25-200*
Surrogate: M2-8:2 FTS	*53.3 %*	*25-200*
Surrogate: M9PFNA	*86.3 %*	*25-150*

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**	**72.0**		%	0.100	1	SM 2540G Certifications: CTDOH	12/23/2021 11:44	12/23/2021 16:09	AD

Sample Information

Client Sample ID: **EP07_9-11** **York Sample ID:** **21L0966-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:42 am	12/16/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 13:16	KH

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*28.0 %*	S-04	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**3.77**		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**0.403**		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL

Sample Information

Client Sample ID: **EP07_9-11** **York Sample ID:** **21L0966-10**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Soil	December 16, 2021 11:42 am	12/16/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**2.39**		ug/kg dry	0.274	1	EPA 537m Certifications:	12/21/2021 16:10	12/27/2021 21:29	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*71.8 %*	*25-150*
Surrogate: M5PFHxA	*67.7 %*	*25-150*
Surrogate: M4PFHpA	*49.7 %*	*25-150*
Surrogate: M3PFHxS	*89.2 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*83.4 %*	*25-150*
Surrogate: M6PFDA	*80.8 %*	*25-150*
Surrogate: M7PFUdA	*64.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*54.9 %*	*25-150*
Surrogate: M2PFTeDA	*45.1 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*71.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*61.7 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*76.1 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*48.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*64.0 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*81.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*161 %*	*25-200*
Surrogate: M2-8:2 FTS	*125 %*	*25-200*
Surrogate: M9PFNA	*74.1 %*	*25-150*

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**	**84.8**		%	0.100	1	SM 2540G Certifications: CTDOH	12/23/2021 11:44	12/23/2021 16:09	AD

Sample Information

Client Sample ID: **SOFB03_121621**

York Sample ID: **21L0966-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Water	December 16, 2021 2:50 pm	12/16/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	5.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL

Sample Information

Client Sample ID: **SOFB03_121621**

York Sample ID: **21L0966-11**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L0966	170420201	Water	December 16, 2021 2:50 pm	12/16/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	2.00	1	EPA 537m Certifications:	12/17/2021 12:07	12/20/2021 20:06	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*110 %*		*25-150*
Surrogate: M5PFHxA	*93.8 %*		*25-150*
Surrogate: M4PFHpA	*102 %*		*25-150*
Surrogate: M3PFHxS	*107 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*99.0 %*		*25-150*
Surrogate: M6PFDA	*105 %*		*25-150*
Surrogate: M7PFUdA	*121 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*108 %*		*25-150*
Surrogate: M2PFTeDA	*93.9 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*91.0 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*108 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*93.9 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*6.76 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*152 %*	PFSu-H	*25-150*
Surrogate: d5-N-EtFOSAA	*155 %*	PFSu-H	*25-150*
Surrogate: M2-6:2 FTS	*80.5 %*		*25-200*
Surrogate: M2-8:2 FTS	*105 %*		*25-200*
Surrogate: M9PFNA	*104 %*		*25-150*

Analytical Batch Summary

Batch ID: BL12336 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
21L0966-11	SOFB03_121621	12/17/21
BL12336-BLK1	Blank	12/17/21
BL12336-BS1	LCS	12/17/21
BL12336-MS1	Matrix Spike	12/17/21
BL12336-MSD1	Matrix Spike Dup	12/17/21

Batch ID: BL12503 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L0966-01	EP06_0-2	12/20/21
21L0966-02	EP04_0-2	12/20/21
21L0966-03	EP08_0-2	12/20/21
21L0966-04	EP01_0-2	12/20/21
21L0966-05	EP07_0-2	12/20/21
BL12503-BLK1	Blank	12/20/21
BL12503-DUP1	Duplicate	12/20/21
BL12503-MS1	Matrix Spike	12/20/21
BL12503-PS1	Post Spike	12/20/21
BL12503-SRM1	Reference	12/20/21

Batch ID: BL12593 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
21L0966-01	EP06_0-2	12/21/21
21L0966-02	EP04_0-2	12/21/21
21L0966-03	EP08_0-2	12/21/21
21L0966-04	EP01_0-2	12/21/21
21L0966-05	EP07_0-2	12/21/21
21L0966-06	EP06_9-11	12/21/21
21L0966-07	EP04_6-8	12/21/21
21L0966-08	EP08_8-10	12/21/21
21L0966-09	EP01_5-7	12/21/21
21L0966-10	EP07_9-11	12/21/21
BL12593-BLK1	Blank	12/21/21
BL12593-BS1	LCS	12/21/21
BL12593-MS1	Matrix Spike	12/21/21
BL12593-MSD1	Matrix Spike Dup	12/21/21

Batch ID: BL12626 **Preparation Method:** EPA SW846-3060 **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
21L0966-01	EP06_0-2	12/22/21
21L0966-02	EP04_0-2	12/22/21
21L0966-03	EP08_0-2	12/22/21

21L0966-04	EP01_0-2	12/22/21
21L0966-05	EP07_0-2	12/22/21
BL12626-BLK1	Blank	12/22/21
BL12626-DUP1	Duplicate	12/22/21
BL12626-MS1	Matrix Spike	12/22/21
BL12626-SRM1	Reference	12/22/21

Batch ID: BL12668 **Preparation Method:** Analysis Preparation Soil **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21L0966-01	EP06_0-2	12/22/21
21L0966-02	EP04_0-2	12/22/21
21L0966-03	EP08_0-2	12/22/21
21L0966-04	EP01_0-2	12/22/21
21L0966-05	EP07_0-2	12/22/21
BL12668-BLK1	Blank	12/22/21
BL12668-DUP1	Duplicate	12/22/21
BL12668-MS1	Matrix Spike	12/22/21
BL12668-SRM1	Reference	12/22/21

Batch ID: BL12688 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
21L0966-01	EP06_0-2	12/21/21
21L0966-02	EP04_0-2	12/21/21
21L0966-03	EP08_0-2	12/21/21
21L0966-04	EP01_0-2	12/21/21
21L0966-05	EP07_0-2	12/21/21
BL12688-BLK1	Blank	12/21/21
BL12688-BLK2	Blank	12/21/21
BL12688-BLK3	Blank	12/21/21
BL12688-BLK4	Blank	12/21/21
BL12688-BS1	LCS	12/21/21
BL12688-BSD1	LCS Dup	12/21/21
BL12688-MS1	Matrix Spike	12/21/21
BL12688-MS2	Matrix Spike	12/21/21
BL12688-MSD1	Matrix Spike Dup	12/21/21
BL12688-MSD2	Matrix Spike Dup	12/21/21

Batch ID: BL12727 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21L0966-01	EP06_0-2	12/23/21
21L0966-02	EP04_0-2	12/23/21
21L0966-03	EP08_0-2	12/23/21
21L0966-04	EP01_0-2	12/23/21
21L0966-05	EP07_0-2	12/23/21
BL12727-BLK1	Blank	12/23/21
BL12727-DUP1	Duplicate	12/23/21
BL12727-MS1	Matrix Spike	12/23/21

BL12727-SRM1	Reference	12/23/21

Batch ID: BL12735 **Preparation Method:** % Solids Prep **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
21L0966-01	EP06_0-2	12/23/21
21L0966-02	EP04_0-2	12/23/21
21L0966-03	EP08_0-2	12/23/21
21L0966-04	EP01_0-2	12/23/21
21L0966-05	EP07_0-2	12/23/21
21L0966-06	EP06_9-11	12/23/21
BL12735-DUP1	Duplicate	12/23/21

Batch ID: BL12738 **Preparation Method:** % Solids Prep **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
21L0966-07	EP04_6-8	12/23/21
21L0966-08	EP08_8-10	12/23/21
21L0966-09	EP01_5-7	12/23/21
21L0966-10	EP07_9-11	12/23/21
BL12738-DUP1	Duplicate	12/23/21

Batch ID: BL12828 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21L0966-01	EP06_0-2	12/27/21
21L0966-02	EP04_0-2	12/27/21
21L0966-03	EP08_0-2	12/27/21
21L0966-04	EP01_0-2	12/27/21
21L0966-05	EP07_0-2	12/27/21

Batch ID: BL12872 **Preparation Method:** EPA 3546 SVOA **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
21L0966-01	EP06_0-2	12/28/21
21L0966-02	EP04_0-2	12/28/21
21L0966-02RE1	EP04_0-2	12/28/21
21L0966-02RE2	EP04_0-2	12/28/21
21L0966-03	EP08_0-2	12/28/21
21L0966-04	EP01_0-2	12/28/21
21L0966-04RE1	EP01_0-2	12/28/21
21L0966-05	EP07_0-2	12/28/21
21L0966-05RE1	EP07_0-2	12/28/21
21L0966-05RE2	EP07_0-2	12/28/21
BL12872-BLK1	Blank	12/28/21
BL12872-BS1	LCS	12/28/21
BL12872-MS1	Matrix Spike	12/28/21
BL12872-MSD1	Matrix Spike Dup	12/28/21

Batch ID: BL12873 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21L0966-01	EP06_0-2	12/28/21
21L0966-02	EP04_0-2	12/28/21
21L0966-03	EP08_0-2	12/28/21
21L0966-04	EP01_0-2	12/28/21
21L0966-05	EP07_0-2	12/28/21
BL12873-BLK1	Blank	12/28/21
BL12873-BS1	LCS	12/28/21
BL12873-MS1	Matrix Spike	12/28/21
BL12873-MSD1	Matrix Spike Dup	12/28/21

Batch ID: BL12904 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
21L0966-01	EP06_0-2	12/28/21
21L0966-01	EP06_0-2	12/28/21
21L0966-02	EP04_0-2	12/28/21
21L0966-02	EP04_0-2	12/28/21
21L0966-03	EP08_0-2	12/28/21
21L0966-03	EP08_0-2	12/28/21
21L0966-04	EP01_0-2	12/28/21
21L0966-04	EP01_0-2	12/28/21
21L0966-05	EP07_0-2	12/28/21
21L0966-05	EP07_0-2	12/28/21
BL12904-BLK1	Blank	12/28/21
BL12904-BLK2	Blank	12/28/21
BL12904-BS1	LCS	12/28/21
BL12904-BS2	LCS	12/28/21
BL12904-MS2	Matrix Spike	12/28/21
BL12904-MSD2	Matrix Spike Dup	12/28/21

Batch ID: BL12997 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
21L0966-01	EP06_0-2	12/29/21
21L0966-02	EP04_0-2	12/29/21
21L0966-03	EP08_0-2	12/29/21
21L0966-04	EP01_0-2	12/29/21
21L0966-05	EP07_0-2	12/29/21
21L0966-06	EP06_9-11	12/29/21
21L0966-07	EP04_6-8	12/29/21
21L0966-08	EP08_8-10	12/29/21
21L0966-09	EP01_5-7	12/29/21
21L0966-10	EP07_9-11	12/29/21
BL12997-BLK1	Blank	12/29/21
BL12997-BS1	LCS	12/29/21

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 BL12688 - EPA 5035A											
Blank (BL12688-BLK1) Blank										Prepared & Analyzed: 12/21/2021	
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	0.0034	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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12688 - EPA 5035A											
Blank (BL12688-BLK1) Blank								Prepared & Analyzed: 12/21/2021			
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	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.5*		*ug/L*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.0*		*"*	*50.0*		*108*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.0*		*"*	*50.0*		*102*	*76-130*				
Blank (BL12688-BLK2) Blank								Prepared: 12/21/2021 Analyzed: 12/22/2021			
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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12688 - EPA 5035A											
Blank (BL12688-BLK2) Blank									Prepared: 12/21/2021 Analyzed: 12/22/2021		
Bromoform	ND	0.0050	mg/kg wet								
Bromomethane	0.0039	0.0050	"								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.4*		*ug/L*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.3*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: 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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12688 - EPA 5035A											
Blank (BL12688-BLK3) hb-21L0910									Prepared: 12/21/2021 Analyzed: 12/22/2021		
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
Batch BL12688 - EPA 5035A											
Blank (BL12688-BLK3) hb-21L0910									Prepared: 12/21/2021 Analyzed: 12/22/2021		
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	*53.1*		*ug/L*	*50.0*		*106*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.5*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.9*		*"*	*50.0*		*102*	*76-130*				
Blank (BL12688-BLK4) HB-21L0966									Prepared: 12/21/2021 Analyzed: 12/22/2021		
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	"								

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 BL12688 - EPA 5035A											
Blank (BL12688-BLK4) HB-21L0966									Prepared: 12/21/2021 Analyzed: 12/22/2021		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.3*		*ug/L*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.3*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.2*		*"*	*50.0*		*104*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12688 - EPA 5035A											
LCS (BL12688-BS1) LCS							Prepared & Analyzed: 12/21/2021				
1,1,1,2-Tetrachloroethane	55.0		ug/L	50.0		110	75-129				
1,1,1-Trichloroethane	43.8		"	50.0		87.6	71-137				
1,1,2,2-Tetrachloroethane	58.3		"	50.0		117	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52.8		"	50.0		106	58-146				
1,1,2-Trichloroethane	53.4		"	50.0		107	83-123				
1,1-Dichloroethane	42.8		"	50.0		85.6	75-130				
1,1-Dichloroethylene	42.7		"	50.0		85.4	64-137				
1,2,3-Trichlorobenzene	54.1		"	50.0		108	81-140				
1,2,3-Trichloropropane	58.3		"	50.0		117	81-126				
1,2,4-Trichlorobenzene	52.4		"	50.0		105	80-141				
1,2,4-Trimethylbenzene	54.9		"	50.0		110	84-125				
1,2-Dibromo-3-chloropropane	59.9		"	50.0		120	74-142				
1,2-Dibromoethane	53.8		"	50.0		108	86-123				
1,2-Dichlorobenzene	53.6		"	50.0		107	85-122				
1,2-Dichloroethane	46.8		"	50.0		93.6	71-133				
1,2-Dichloropropane	53.5		"	50.0		107	81-122				
1,3,5-Trimethylbenzene	54.7		"	50.0		109	82-126				
1,3-Dichlorobenzene	52.5		"	50.0		105	84-124				
1,4-Dichlorobenzene	51.7		"	50.0		103	84-124				
1,4-Dioxane	2130		"	1050		203	10-228				
2-Butanone	47.0		"	50.0		94.1	58-147				
2-Hexanone	57.4		"	50.0		115	70-139				
4-Methyl-2-pentanone	57.6		"	50.0		115	72-132				
Acetone	40.1		"	50.0		80.2	36-155				
Acrolein	92.2		"	50.0		184	10-238				
Acrylonitrile	46.5		"	50.0		93.1	66-141				
Benzene	43.1		"	50.0		86.2	77-127				
Bromochloromethane	46.0		"	50.0		92.1	74-129				
Bromodichloromethane	56.0		"	50.0		112	81-124				
Bromoform	50.0		"	50.0		100	80-136				
Bromomethane	49.8		"	50.0		99.6	32-177				
Carbon disulfide	43.8		"	50.0		87.6	10-136				
Carbon tetrachloride	45.6		"	50.0		91.2	66-143				
Chlorobenzene	50.8		"	50.0		102	86-120				
Chloroethane	50.2		"	50.0		100	51-142				
Chloroform	45.0		"	50.0		90.0	76-131				
Chloromethane	37.5		"	50.0		75.0	49-132				
cis-1,2-Dichloroethylene	43.1		"	50.0		86.2	74-132				
cis-1,3-Dichloropropylene	48.0		"	50.0		95.9	81-129				
Cyclohexane	48.6		"	50.0		97.2	70-130				
Dibromochloromethane	49.5		"	50.0		99.1	10-200				
Dibromomethane	53.5		"	50.0		107	83-124				
Dichlorodifluoromethane	31.3		"	50.0		62.5	28-158				
Ethyl Benzene	51.8		"	50.0		104	84-125				
Hexachlorobutadiene	50.5		"	50.0		101	83-133				
Isopropylbenzene	52.9		"	50.0		106	81-127				
Methyl acetate	46.7		"	50.0		93.5	41-143				
Methyl tert-butyl ether (MTBE)	46.2		"	50.0		92.4	74-131				
Methylcyclohexane	55.4		"	50.0		111	70-130				
Methylene chloride	45.8		"	50.0		91.5	57-141				
n-Butylbenzene	52.1		"	50.0		104	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 BL12688 - EPA 5035A											
LCS (BL12688-BS1) LCS							Prepared & Analyzed: 12/21/2021				
n-Propylbenzene	52.4		ug/L	50.0		105	74-136				
o-Xylene	52.1		"	50.0		104	83-123				
p- & m- Xylenes	103		"	100		103	82-128				
p-Isopropyltoluene	54.1		"	50.0		108	85-125				
sec-Butylbenzene	55.8		"	50.0		112	83-125				
Styrene	53.5		"	50.0		107	86-126				
tert-Butyl alcohol (TBA)	243		"	250		97.3	70-130				
tert-Butylbenzene	52.3		"	50.0		105	80-127				
Tetrachloroethylene	44.6		"	50.0		89.3	80-129				
Toluene	50.4		"	50.0		101	85-121				
trans-1,2-Dichloroethylene	44.9		"	50.0		89.8	72-132				
trans-1,3-Dichloropropylene	48.2		"	50.0		96.3	78-132				
Trichloroethylene	50.6		"	50.0		101	84-123				
Trichlorofluoromethane	49.3		"	50.0		98.7	62-140				
Vinyl Chloride	42.6		"	50.0		85.2	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*52.4*		*"*	*50.0*		*105*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.1*		*"*	*50.0*		*108*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.6*		*"*	*50.0*		*103*	*76-130*				
LCS Dup (BL12688-BSD1) LCS Dup							Prepared & Analyzed: 12/21/2021				
1,1,1,2-Tetrachloroethane	60.2		ug/L	50.0		120	75-129		8.97	30	
1,1,1-Trichloroethane	48.6		"	50.0		97.1	71-137		10.3	30	
1,1,2,2-Tetrachloroethane	60.6		"	50.0		121	79-129		3.80	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	59.1		"	50.0		118	58-146		11.1	30	
1,1,2-Trichloroethane	56.9		"	50.0		114	83-123		6.28	30	
1,1-Dichloroethane	46.9		"	50.0		93.8	75-130		9.19	30	
1,1-Dichloroethylene	46.9		"	50.0		93.8	64-137		9.31	30	
1,2,3-Trichlorobenzene	58.7		"	50.0		117	81-140		8.03	30	
1,2,3-Trichloropropane	61.6		"	50.0		123	81-126		5.47	30	
1,2,4-Trichlorobenzene	57.6		"	50.0		115	80-141		9.43	30	
1,2,4-Trimethylbenzene	58.9		"	50.0		118	84-125		7.02	30	
1,2-Dibromo-3-chloropropane	63.6		"	50.0		127	74-142		6.03	30	
1,2-Dibromoethane	58.1		"	50.0		116	86-123		7.60	30	
1,2-Dichlorobenzene	57.3		"	50.0		115	85-122		6.64	30	
1,2-Dichloroethane	50.3		"	50.0		101	71-133		7.21	30	
1,2-Dichloropropane	56.2		"	50.0		112	81-122		4.89	30	
1,3,5-Trimethylbenzene	58.4		"	50.0		117	82-126		6.42	30	
1,3-Dichlorobenzene	56.8		"	50.0		114	84-124		7.70	30	
1,4-Dichlorobenzene	55.3		"	50.0		111	84-124		6.71	30	
1,4-Dioxane	2210		"	1050		211	10-228		3.62	30	
2-Butanone	46.0		"	50.0		92.0	58-147		2.24	30	
2-Hexanone	60.7		"	50.0		121	70-139		5.50	30	
4-Methyl-2-pentanone	60.9		"	50.0		122	72-132		5.65	30	
Acetone	43.8		"	50.0		87.6	36-155		8.79	30	
Acrolein	98.3		"	50.0		197	10-238		6.44	30	
Acrylonitrile	48.9		"	50.0		97.7	66-141		4.91	30	
Benzene	47.5		"	50.0		94.9	77-127		9.67	30	
Bromochloromethane	49.0		"	50.0		98.0	74-129		6.23	30	
Bromodichloromethane	59.9		"	50.0		120	81-124		6.70	30	
Bromoform	53.0		"	50.0		106	80-136		5.88	30	
Bromomethane	55.5		"	50.0		111	32-177		10.8	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 BL12688 - EPA 5035A											
LCS Dup (BL12688-BSD1) LCS Dup							Prepared & Analyzed: 12/21/2021				
Carbon disulfide	49.3		ug/L	50.0		98.6	10-136		11.8	30	
Carbon tetrachloride	51.1		"	50.0		102	66-143		11.5	30	
Chlorobenzene	54.8		"	50.0		110	86-120		7.67	30	
Chloroethane	54.5		"	50.0		109	51-142		8.25	30	
Chloroform	48.9		"	50.0		97.7	76-131		8.27	30	
Chloromethane	40.3		"	50.0		80.5	49-132		7.10	30	
cis-1,2-Dichloroethylene	47.6		"	50.0		95.2	74-132		9.99	30	
cis-1,3-Dichloropropylene	50.6		"	50.0		101	81-129		5.42	30	
Cyclohexane	52.5		"	50.0		105	70-130		7.79	30	
Dibromochloromethane	53.2		"	50.0		106	10-200		7.16	30	
Dibromomethane	56.7		"	50.0		113	83-124		5.92	30	
Dichlorodifluoromethane	33.6		"	50.0		67.2	28-158		7.24	30	
Ethyl Benzene	56.8		"	50.0		114	84-125		9.28	30	
Hexachlorobutadiene	57.4		"	50.0		115	83-133		12.8	30	
Isopropylbenzene	57.9		"	50.0		116	81-127		8.92	30	
Methyl acetate	49.4		"	50.0		98.9	41-143		5.64	30	
Methyl tert-butyl ether (MTBE)	50.0		"	50.0		99.9	74-131		7.86	30	
Methylcyclohexane	60.2		"	50.0		120	70-130		8.27	30	
Methylene chloride	48.6		"	50.0		97.2	57-141		6.06	30	
n-Butylbenzene	58.4		"	50.0		117	80-130		11.5	30	
n-Propylbenzene	56.9		"	50.0		114	74-136		8.24	30	
o-Xylene	56.9		"	50.0		114	83-123		8.81	30	
p- & m- Xylenes	113		"	100		113	82-128		8.80	30	
p-Isopropyltoluene	59.1		"	50.0		118	85-125		8.78	30	
sec-Butylbenzene	60.9		"	50.0		122	83-125		8.84	30	
Styrene	57.5		"	50.0		115	86-126		7.26	30	
tert-Butyl alcohol (TBA)	263		"	250		105	70-130		7.84	30	
tert-Butylbenzene	57.8		"	50.0		116	80-127		10.0	30	
Tetrachloroethylene	49.5		"	50.0		98.9	80-129		10.3	30	
Toluene	55.1		"	50.0		110	85-121		9.01	30	
trans-1,2-Dichloroethylene	48.7		"	50.0		97.4	72-132		8.05	30	
trans-1,3-Dichloropropylene	51.2		"	50.0		102	78-132		6.04	30	
Trichloroethylene	54.4		"	50.0		109	84-123		7.28	30	
Trichlorofluoromethane	54.2		"	50.0		108	62-140		9.48	30	
Vinyl Chloride	45.9		"	50.0		91.9	52-130		7.52	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.6*		*"*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.1*		*"*	*50.0*		*108*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.7*		*"*	*50.0*		*101*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12688 - EPA 5035A											
Matrix Spike (BL12688-MS1) Matrix Spike	*Source sample: 21L0910-09 (Matrix Spike)								Prepared: 12/21/2021 Analyzed: 12/22/2021		
1,1,1,2-Tetrachloroethane	43.2		ug/L	50.0	0.00	86.3	15-161				
1,1,1-Trichloroethane	37.6		"	50.0	0.00	75.2	42-145				
1,1,2,2-Tetrachloroethane	42.6		"	50.0	0.00	85.2	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	42.8		"	50.0	0.00	85.6	11-160				
1,1,2-Trichloroethane	46.2		"	50.0	0.00	92.5	44-145				
1,1-Dichloroethane	37.5		"	50.0	0.00	75.1	46-142				
1,1-Dichloroethylene	36.3		"	50.0	0.00	72.5	30-153				
1,2,3-Trichlorobenzene	22.1		"	50.0	0.00	44.3	10-157				
1,2,3-Trichloropropane	44.8		"	50.0	0.00	89.6	38-155				
1,2,4-Trichlorobenzene	21.0		"	50.0	0.00	41.9	10-151				
1,2,4-Trimethylbenzene	34.6		"	50.0	0.00	69.3	10-170				
1,2-Dibromo-3-chloropropane	39.4		"	50.0	0.00	78.9	36-138				
1,2-Dibromoethane	42.3		"	50.0	0.00	84.5	40-142				
1,2-Dichlorobenzene	31.2		"	50.0	0.00	62.3	10-147				
1,2-Dichloroethane	39.3		"	50.0	0.00	78.5	48-133				
1,2-Dichloropropane	46.6		"	50.0	0.00	93.2	47-141				
1,3,5-Trimethylbenzene	35.3		"	50.0	0.00	70.6	10-150				
1,3-Dichlorobenzene	28.8		"	50.0	0.00	57.7	10-144				
1,4-Dichlorobenzene	28.0		"	50.0	0.00	56.1	10-160				
1,4-Dioxane	1740		"	1050	0.00	165	10-191				
2-Butanone	29.8		"	50.0	0.00	59.5	10-189				
2-Hexanone	44.1		"	50.0	0.00	88.2	10-181				
4-Methyl-2-pentanone	48.3		"	50.0	0.00	96.5	10-166				
Acetone	35.5		"	50.0	0.00	71.0	10-196				
Acrolein	30.2		"	50.0	0.00	60.4	10-192				
Acrylonitrile	35.5		"	50.0	0.00	70.9	13-161				
Benzene	36.7		"	50.0	0.00	73.4	43-139				
Bromochloromethane	37.8		"	50.0	0.00	75.6	38-145				
Bromodichloromethane	46.7		"	50.0	0.00	93.3	38-147				
Bromoform	36.4		"	50.0	0.00	72.8	29-156				
Bromomethane	32.9		"	50.0	0.00	65.9	10-166				
Carbon disulfide	31.2		"	50.0	0.00	62.5	10-131				
Carbon tetrachloride	37.2		"	50.0	0.00	74.5	35-145				
Chlorobenzene	36.2		"	50.0	0.00	72.4	21-154				
Chloroethane	43.8		"	50.0	0.00	87.6	15-160				
Chloroform	38.5		"	50.0	0.00	77.0	47-142				
Chloromethane	33.2		"	50.0	0.00	66.5	10-159				
cis-1,2-Dichloroethylene	35.7		"	50.0	0.00	71.4	42-144				
cis-1,3-Dichloropropylene	36.0		"	50.0	0.00	72.0	18-159				
Cyclohexane	38.0		"	50.0	0.00	76.1	70-130				
Dibromochloromethane	39.3		"	50.0	0.00	78.7	10-179				
Dibromomethane	42.6		"	50.0	0.00	85.2	47-143				
Dichlorodifluoromethane	25.3		"	50.0	0.00	50.6	10-145				
Ethyl Benzene	38.0		"	50.0	0.00	76.1	11-158				
Hexachlorobutadiene	20.4		"	50.0	0.00	40.8	10-158				
Isopropylbenzene	37.8		"	50.0	0.00	75.5	10-162				
Methyl acetate	36.8		"	50.0	0.00	73.7	10-149				
Methyl tert-butyl ether (MTBE)	43.2		"	50.0	0.00	86.4	42-152				
Methylcyclohexane	37.8		"	50.0	0.00	75.7	70-130				
Methylene chloride	47.8		"	50.0	0.00	95.5	28-151				
n-Butylbenzene	27.8		"	50.0	0.00	55.6	10-162				

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 BL12688 - EPA 5035A											
Matrix Spike (BL12688-MS1) Matrix Spike	*Source sample: 21L0910-09 (Matrix Spike)							Prepared: 12/21/2021 Analyzed: 12/22/2021			
n-Propylbenzene	33.8		ug/L	50.0	0.00	67.7	10-155				
o-Xylene	38.8		"	50.0	0.00	77.5	10-158				
p- & m- Xylenes	73.4		"	100	0.00	73.4	10-156				
p-Isopropyltoluene	31.9		"	50.0	0.00	63.8	10-147				
sec-Butylbenzene	35.0		"	50.0	0.00	70.0	10-157				
Styrene	35.7		"	50.0	0.00	71.4	13-171				
tert-Butyl alcohol (TBA)	186		"	250	0.00	74.6	34-179				
tert-Butylbenzene	35.8		"	50.0	0.00	71.6	10-160				
Tetrachloroethylene	32.1		"	50.0	0.00	64.1	30-167				
Toluene	39.8		"	50.0	0.00	79.5	21-160				
trans-1,2-Dichloroethylene	34.4		"	50.0	0.00	68.8	29-153				
trans-1,3-Dichloropropylene	32.3		"	50.0	0.00	64.6	18-155				
Trichloroethylene	40.4		"	50.0	0.00	80.8	24-169				
Trichlorofluoromethane	42.5		"	50.0	0.00	85.0	35-142				
Vinyl Chloride	37.4		"	50.0	0.00	74.7	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.4*		*"*	*50.0*		*107*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.1*		*"*	*50.0*		*108*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.6*		*"*	*50.0*		*105*	*76-130*				
Matrix Spike (BL12688-MS2) Matrix Spike	*Source sample: 21L0910-10 (Matrix Spike)							Prepared: 12/21/2021 Analyzed: 12/22/2021			
1,1,1,2-Tetrachloroethane	33.5		ug/L	50.0	0.00	67.0	15-161				
1,1,1-Trichloroethane	31.7		"	50.0	0.00	63.4	42-145				
1,1,2,2-Tetrachloroethane	33.3		"	50.0	0.00	66.6	16-167				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	36.4		"	50.0	0.00	72.8	11-160				
1,1,2-Trichloroethane	34.6		"	50.0	0.00	69.3	44-145				
1,1-Dichloroethane	31.1		"	50.0	0.00	62.3	46-142				
1,1-Dichloroethylene	28.6		"	50.0	0.00	57.2	30-153				
1,2,3-Trichlorobenzene	13.0		"	50.0	0.00	26.1	10-157				
1,2,3-Trichloropropane	35.4		"	50.0	0.00	70.8	38-155				
1,2,4-Trichlorobenzene	12.4		"	50.0	0.00	24.8	10-151				
1,2,4-Trimethylbenzene	25.5		"	50.0	0.00	51.0	10-170				
1,2-Dibromo-3-chloropropane	28.3		"	50.0	0.00	56.5	36-138				
1,2-Dibromoethane	27.5		"	50.0	0.00	55.0	40-142				
1,2-Dichlorobenzene	18.2		"	50.0	0.00	36.4	10-147				
1,2-Dichloroethane	29.2		"	50.0	0.00	58.4	48-133				
1,2-Dichloropropane	37.3		"	50.0	0.00	74.6	47-141				
1,3,5-Trimethylbenzene	27.1		"	50.0	0.00	54.2	10-150				
1,3-Dichlorobenzene	18.2		"	50.0	0.00	36.3	10-144				
1,4-Dichlorobenzene	16.8		"	50.0	0.00	33.6	10-160				
1,4-Dioxane	1350		"	1050	0.00	129	10-191				
2-Butanone	29.4		"	50.0	0.00	58.7	10-189				
2-Hexanone	33.9		"	50.0	0.00	67.8	10-181				
4-Methyl-2-pentanone	39.7		"	50.0	0.00	79.4	10-166				
Acetone	34.5		"	50.0	0.00	69.0	10-196				
Acrolein	17.6		"	50.0	0.00	35.1	10-192				
Acrylonitrile	27.4		"	50.0	0.00	54.8	13-161				
Benzene	31.2		"	50.0	0.00	62.4	43-139				
Bromochloromethane	27.4		"	50.0	0.00	54.8	38-145				
Bromodichloromethane	35.6		"	50.0	0.00	71.3	38-147				
Bromoform	24.3		"	50.0	0.00	48.6	29-156				
Bromomethane	27.8		"	50.0	0.00	55.6	10-166				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12688 - EPA 5035A

Matrix Spike (BL12688-MS2) Matrix Spike *Source sample: 21L0910-10 (Matrix Spike) Prepared: 12/21/2021 Analyzed: 12/22/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Carbon disulfide	19.6		ug/L	50.0	0.00	39.1	10-131				
Carbon tetrachloride	31.4		"	50.0	0.00	62.8	35-145				
Chlorobenzene	25.1		"	50.0	0.00	50.3	21-154				
Chloroethane	36.1		"	50.0	0.00	72.2	15-160				
Chloroform	30.7		"	50.0	0.00	61.3	47-142				
Chloromethane	26.9		"	50.0	0.00	53.7	10-159				
cis-1,2-Dichloroethylene	26.0		"	50.0	0.00	52.1	42-144				
cis-1,3-Dichloropropylene	23.4		"	50.0	0.00	46.9	18-159				
Cyclohexane	33.1		"	50.0	0.00	66.2	70-130	Low Bias			
Dibromochloromethane	28.2		"	50.0	0.00	56.5	10-179				
Dibromomethane	28.4		"	50.0	0.00	56.9	47-143				
Dichlorodifluoromethane	22.2		"	50.0	0.00	44.3	10-145				
Ethyl Benzene	28.8		"	50.0	0.00	57.6	11-158				
Hexachlorobutadiene	14.8		"	50.0	0.00	29.5	10-158				
Isopropylbenzene	29.1		"	50.0	0.00	58.2	10-162				
Methyl acetate	23.1		"	50.0	0.00	46.2	10-149				
Methyl tert-butyl ether (MTBE)	36.9		"	50.0	0.00	73.9	42-152				
Methylcyclohexane	32.1		"	50.0	0.00	64.2	70-130	Low Bias			
Methylene chloride	32.7		"	50.0	4.78	55.9	28-151				
n-Butylbenzene	20.6		"	50.0	0.00	41.3	10-162				
n-Propylbenzene	25.1		"	50.0	0.00	50.2	10-155				
o-Xylene	29.8		"	50.0	0.00	59.6	10-158				
p- & m- Xylenes	55.3		"	100	0.00	55.3	10-156				
p-Isopropyltoluene	24.4		"	50.0	0.00	48.8	10-147				
sec-Butylbenzene	26.8		"	50.0	0.00	53.6	10-157				
Styrene	24.0		"	50.0	0.00	48.0	13-171				
tert-Butyl alcohol (TBA)	173		"	250	0.00	69.2	34-179				
tert-Butylbenzene	27.8		"	50.0	0.00	55.5	10-160				
Tetrachloroethylene	25.0		"	50.0	0.00	50.0	30-167				
Toluene	30.5		"	50.0	0.00	61.1	21-160				
trans-1,2-Dichloroethylene	24.2		"	50.0	0.00	48.3	29-153				
trans-1,3-Dichloropropylene	18.4		"	50.0	0.00	36.8	18-155				
Trichloroethylene	29.1		"	50.0	0.00	58.2	24-169				
Trichlorofluoromethane	37.0		"	50.0	0.00	74.0	35-142				
Vinyl Chloride	29.4		"	50.0	0.00	58.9	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	*54.1*		*"*	*50.0*		*108*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.1*		*"*	*50.0*		*108*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.6*		*"*	*50.0*		*105*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12688 - EPA 5035A

Matrix Spike Dup (BL12688-M Matrix Spike Dup *Source sample: 21L0910-09 (Matrix Spike Dup) Prepared: 12/21/2021 Analyzed: 12/22/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	35.8		ug/L	50.0	0.00	71.6	15-161		18.7	33	
1,1,1-Trichloroethane	30.9		"	50.0	0.00	61.8	42-145		19.4	30	
1,1,2,2-Tetrachloroethane	0.00		"	50.0	0.00		16-167	Low Bias	200	56	Non-dir.
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	35.9		"	50.0	0.00	71.8	11-160		17.5	31	
1,1,2-Trichloroethane	32.9		"	50.0	0.00	65.8	44-145		33.7	40	
1,1-Dichloroethane	30.6		"	50.0	0.00	61.1	46-142		20.5	36	
1,1-Dichloroethylene	31.4		"	50.0	0.00	62.7	30-153		14.6	31	
1,2,3-Trichlorobenzene	21.2		"	50.0	0.00	42.3	10-157		4.57	47	
1,2,3-Trichloropropane	36.2		"	50.0	0.00	72.3	38-155		21.4	48	
1,2,4-Trichlorobenzene	19.3		"	50.0	0.00	38.6	10-151		8.30	52	
1,2,4-Trimethylbenzene	29.0		"	50.0	0.00	57.9	10-170		17.9	242	
1,2-Dibromo-3-chloropropane	28.4		"	50.0	0.00	56.8	36-138		32.6	54	
1,2-Dibromoethane	33.7		"	50.0	0.00	67.3	40-142		22.7	39	
1,2-Dichlorobenzene	26.9		"	50.0	0.00	53.9	10-147		14.6	52	
1,2-Dichloroethane	32.0		"	50.0	0.00	64.0	48-133		20.3	32	
1,2-Dichloropropane	36.8		"	50.0	0.00	73.6	47-141		23.5	37	
1,3,5-Trimethylbenzene	30.1		"	50.0	0.00	60.1	10-150		15.9	62	
1,3-Dichlorobenzene	24.8		"	50.0	0.00	49.6	10-144		15.0	51	
1,4-Dichlorobenzene	24.4		"	50.0	0.00	48.8	10-160		13.8	52	
1,4-Dioxane	1300		"	1050	0.00	124	10-191		28.8	196	
2-Butanone	28.7		"	50.0	0.00	57.4	10-189		3.59	67	
2-Hexanone	35.1		"	50.0	0.00	70.2	10-181		22.8	60	
4-Methyl-2-pentanone	36.6		"	50.0	0.00	73.2	10-166		27.4	47	
Acetone	48.7		"	50.0	0.00	97.4	10-196		31.3	150	
Acrolein	10.7		"	50.0	0.00	21.4	10-192		95.3	128	
Acrylonitrile	27.7		"	50.0	0.00	55.4	13-161		24.6	48	
Benzene	30.3		"	50.0	0.00	60.5	43-139		19.2	64	
Bromochloromethane	30.7		"	50.0	0.00	61.3	38-145		20.9	30	
Bromodichloromethane	35.7		"	50.0	0.00	71.4	38-147		26.6	37	
Bromoform	29.7		"	50.0	0.00	59.4	29-156		20.2	51	
Bromomethane	29.7		"	50.0	0.00	59.4	10-166		10.3	42	
Carbon disulfide	25.8		"	50.0	0.00	51.7	10-131		19.0	36	
Carbon tetrachloride	31.6		"	50.0	0.00	63.2	35-145		16.4	31	
Chlorobenzene	30.1		"	50.0	0.00	60.2	21-154		18.4	32	
Chloroethane	35.8		"	50.0	0.00	71.7	15-160		20.0	40	
Chloroform	31.7		"	50.0	0.00	63.4	47-142		19.3	29	
Chloromethane	27.1		"	50.0	0.00	54.2	10-159		20.4	31	
cis-1,2-Dichloroethylene	28.6		"	50.0	0.00	57.2	42-144		22.0	30	
cis-1,3-Dichloropropylene	27.3		"	50.0	0.00	54.6	18-159		27.5	39	
Cyclohexane	32.5		"	50.0	0.00	65.0	70-130	Low Bias	15.6	30	
Dibromochloromethane	31.3		"	50.0	0.00	62.5	10-179		22.9	41	
Dibromomethane	33.8		"	50.0	0.00	67.6	47-143		23.1	41	
Dichlorodifluoromethane	21.8		"	50.0	0.00	43.6	10-145		15.0	34	
Ethyl Benzene	31.4		"	50.0	0.00	62.8	11-158		19.2	42	
Hexachlorobutadiene	21.5		"	50.0	0.00	42.9	10-158		5.02	45	
Isopropylbenzene	31.3		"	50.0	0.00	62.6	10-162		18.7	57	
Methyl acetate	0.00		"	50.0	0.00		10-149	Low Bias	200	64	Non-dir.
Methyl tert-butyl ether (MTBE)	35.5		"	50.0	0.00	71.0	42-152		19.6	47	
Methylcyclohexane	33.6		"	50.0	0.00	67.1	70-130	Low Bias	12.0	30	
Methylene chloride	49.5		"	50.0	0.00	98.9	28-151		3.50	49	
n-Butylbenzene	25.0		"	50.0	0.00	50.0	10-162		10.6	96	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12688 - EPA 5035A

Matrix Spike Dup (BL12688-M Matrix Spike Dup *Source sample: 21L0910-09 (Matrix Spike Dup) Prepared: 12/21/2021 Analyzed: 12/22/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
n-Propylbenzene	28.5		ug/L	50.0	0.00	57.0	10-155		17.1	56	
o-Xylene	31.6		"	50.0	0.00	63.2	10-158		20.3	51	
p- & m- Xylenes	60.1		"	100	0.00	60.1	10-156		20.0	47	
p-Isopropyltoluene	28.2		"	50.0	0.00	56.4	10-147		12.2	60	
sec-Butylbenzene	30.3		"	50.0	0.00	60.6	10-157		14.4	56	
Styrene	29.9		"	50.0	0.00	59.8	13-171		17.6	39	
tert-Butyl alcohol (TBA)	154		"	250	0.00	61.8	34-179		18.8	35	
tert-Butylbenzene	30.9		"	50.0	0.00	61.8	10-160		14.7	79	
Tetrachloroethylene	27.5		"	50.0	0.00	55.0	30-167		15.2	33	
Toluene	32.5		"	50.0	0.00	65.0	21-160		20.1	50	
trans-1,2-Dichloroethylene	28.7		"	50.0	0.00	57.4	29-153		18.0	30	
trans-1,3-Dichloropropylene	25.0		"	50.0	0.00	50.0	18-155		25.5	30	
Trichloroethylene	56.0		"	50.0	0.00	112	24-169		32.3	30	Non-dir.
Trichlorofluoromethane	35.4		"	50.0	0.00	70.9	35-142		18.1	30	
Vinyl Chloride	30.1		"	50.0	0.00	60.3	12-160		21.4	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.1*		*"*	*50.0*		*106*	*77-125*				
Surrogate: SURR: Toluene-d8	*53.8*		*"*	*50.0*		*108*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*76-130*				

Matrix Spike Dup (BL12688-M Matrix Spike Dup *Source sample: 21L0910-10 (Matrix Spike Dup) Prepared: 12/21/2021 Analyzed: 12/22/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	32.0		ug/L	50.0	0.00	64.0	15-161		4.58	33	
1,1,1-Trichloroethane	27.8		"	50.0	0.00	55.5	42-145		13.2	30	
1,1,2,2-Tetrachloroethane	19.5		"	50.0	0.00	38.9	16-167		52.4	56	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	32.0		"	50.0	0.00	64.0	11-160		12.8	31	
1,1,2-Trichloroethane	34.5		"	50.0	0.00	69.1	44-145		0.318	40	
1,1-Dichloroethane	27.4		"	50.0	0.00	54.8	46-142		12.7	36	
1,1-Dichloroethylene	25.1		"	50.0	0.00	50.2	30-153		13.1	31	
1,2,3-Trichlorobenzene	15.2		"	50.0	0.00	30.5	10-157		15.6	47	
1,2,3-Trichloropropane	33.1		"	50.0	0.00	66.1	38-155		6.78	48	
1,2,4-Trichlorobenzene	14.8		"	50.0	0.00	29.7	10-151		18.1	52	
1,2,4-Trimethylbenzene	23.6		"	50.0	0.00	47.1	10-170		7.99	242	
1,2-Dibromo-3-chloropropane	27.4		"	50.0	0.00	54.9	36-138		2.98	54	
1,2-Dibromoethane	30.0		"	50.0	0.00	59.9	40-142		8.49	39	
1,2-Dichlorobenzene	21.3		"	50.0	0.00	42.5	10-147		15.5	52	
1,2-Dichloroethane	29.2		"	50.0	0.00	58.5	48-133		0.103	32	
1,2-Dichloropropane	33.4		"	50.0	0.00	66.8	47-141		11.0	37	
1,3,5-Trimethylbenzene	24.3		"	50.0	0.00	48.7	10-150		10.8	62	
1,3-Dichlorobenzene	19.9		"	50.0	0.00	39.8	10-144		9.30	51	
1,4-Dichlorobenzene	19.0		"	50.0	0.00	38.0	10-160		12.1	52	
1,4-Dioxane	1370		"	1050	0.00	130	10-191		1.06	196	
2-Butanone	26.2		"	50.0	0.00	52.5	10-189		11.3	67	
2-Hexanone	33.0		"	50.0	0.00	66.0	10-181		2.75	60	
4-Methyl-2-pentanone	36.2		"	50.0	0.00	72.3	10-166		9.36	47	
Acetone	33.1		"	50.0	0.00	66.2	10-196		4.02	150	
Acrolein	21.6		"	50.0	0.00	43.1	10-192		20.5	128	
Acrylonitrile	27.3		"	50.0	0.00	54.6	13-161		0.292	48	
Benzene	28.1		"	50.0	0.00	56.1	43-139		10.5	64	
Bromochloromethane	27.2		"	50.0	0.00	54.4	38-145		0.879	30	
Bromodichloromethane	33.2		"	50.0	0.00	66.3	38-147		7.24	37	
Bromoform	26.7		"	50.0	0.00	53.4	29-156		9.37	51	
Bromomethane	25.8		"	50.0	0.00	51.5	10-166		7.54	42	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12688 - EPA 5035A

Matrix Spike Dup (BL12688-M Matrix Spike Dup *Source sample: 21L0910-10 (Matrix Spike Dup) Prepared: 12/21/2021 Analyzed: 12/22/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Carbon disulfide	19.4		ug/L	50.0	0.00	38.7	10-131		1.13	36	
Carbon tetrachloride	27.6		"	50.0	0.00	55.3	35-145		12.8	31	
Chlorobenzene	25.5		"	50.0	0.00	51.1	21-154		1.58	32	
Chloroethane	30.2		"	50.0	0.00	60.3	15-160		18.0	40	
Chloroform	29.2		"	50.0	0.00	58.4	47-142		4.84	29	
Chloromethane	22.8		"	50.0	0.00	45.7	10-159		16.2	31	
cis-1,2-Dichloroethylene	24.8		"	50.0	0.00	49.7	42-144		4.64	30	
cis-1,3-Dichloropropylene	24.3		"	50.0	0.00	48.6	18-159		3.52	39	
Cyclohexane	27.0		"	50.0	0.00	53.9	70-130	Low Bias	20.4	30	
Dibromochloromethane	28.2		"	50.0	0.00	56.4	10-179		0.0709	41	
Dibromomethane	29.8		"	50.0	0.00	59.5	47-143		4.60	41	
Dichlorodifluoromethane	18.6		"	50.0	0.00	37.2	10-145		17.6	34	
Ethyl Benzene	26.6		"	50.0	0.00	53.2	11-158		7.98	42	
Hexachlorobutadiene	15.3		"	50.0	0.00	30.5	10-158		3.40	45	
Isopropylbenzene	25.5		"	50.0	0.00	51.0	10-162		13.1	57	
Methyl acetate	25.3		"	50.0	0.00	50.6	10-149		9.05	64	
Methyl tert-butyl ether (MTBE)	35.2		"	50.0	0.00	70.4	42-152		4.77	47	
Methylcyclohexane	27.1		"	50.0	0.00	54.2	70-130	Low Bias	16.8	30	
Methylene chloride	31.0		"	50.0	6.57	48.8	28-151		5.50	49	
n-Butylbenzene	19.1		"	50.0	0.00	38.2	10-162		7.75	96	
n-Propylbenzene	22.9		"	50.0	0.00	45.8	10-155		9.08	56	
o-Xylene	27.3		"	50.0	0.00	54.6	10-158		8.83	51	
p- & m- Xylenes	51.3		"	100	0.00	51.3	10-156		7.52	47	
p-Isopropyltoluene	22.6		"	50.0	0.00	45.1	10-147		7.75	60	
sec-Butylbenzene	23.8		"	50.0	0.00	47.7	10-157		11.7	56	
Styrene	25.7		"	50.0	0.00	51.4	13-171		6.85	39	
tert-Butyl alcohol (TBA)	160		"	250	0.00	64.1	34-179		7.63	35	
tert-Butylbenzene	25.0		"	50.0	0.00	50.0	10-160		10.4	79	
Tetrachloroethylene	22.8		"	50.0	0.00	45.6	30-167		9.16	33	
Toluene	29.0		"	50.0	0.00	58.0	21-160		5.21	50	
trans-1,2-Dichloroethylene	23.3		"	50.0	0.00	46.7	29-153		3.54	30	
trans-1,3-Dichloropropylene	21.8		"	50.0	0.00	43.6	18-155		16.9	30	
Trichloroethylene	35.5		"	50.0	0.00	70.9	24-169		19.8	30	
Trichlorofluoromethane	31.1		"	50.0	0.00	62.2	35-142		17.4	30	
Vinyl Chloride	24.7		"	50.0	0.00	49.5	12-160		17.3	35	
Surrogate: SURR: 1,2-Dichloroethane-d4	*53.2*		*"*	*50.0*		*106*	*77-125*				
Surrogate: SURR: Toluene-d8	*53.3*		*"*	*50.0*		*107*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.8*		*"*	*50.0*		*102*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12872 - EPA 3546 SVOA											
Blank (BL12872-BLK1) Blank									Prepared & Analyzed: 12/28/2021		
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								

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 BL12872 - EPA 3546 SVOA											
Blank (BL12872-BLK1) Blank								Prepared & Analyzed: 12/28/2021			
Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	*1.81*		*"*	*1.66*		*109*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.71*		*"*	*1.66*		*103*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*1.15*		*"*	*0.831*		*138*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.891*		*"*	*0.831*		*107*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.39*		*"*	*1.66*		*144*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*1.02*		*"*	*0.831*		*123*	*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 BL12872 - EPA 3546 SVOA											
LCS (BL12872-BS1) LCS							Prepared & Analyzed: 12/28/2021				
1,1-Biphenyl	0.584	0.0416	mg/kg wet	0.831		70.3	18-111				
1,2,4,5-Tetrachlorobenzene	0.810	0.0830	"	0.831		97.6	21-131				
1,2,4-Trichlorobenzene	0.707	0.0416	"	0.831		85.1	10-140				
1,2-Dichlorobenzene	0.647	0.0416	"	0.831		77.8	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.622	0.0416	"	0.831		74.9	17-137				
1,3-Dichlorobenzene	0.655	0.0416	"	0.831		78.8	33-110				
1,4-Dichlorobenzene	0.659	0.0416	"	0.831		79.4	32-104				
2,3,4,6-Tetrachlorophenol	0.796	0.0830	"	0.831		95.8	30-130				
2,4,5-Trichlorophenol	0.824	0.0416	"	0.831		99.2	27-118				
2,4,6-Trichlorophenol	0.762	0.0416	"	0.831		91.7	31-120				
2,4-Dichlorophenol	0.771	0.0416	"	0.831		92.8	20-127				
2,4-Dimethylphenol	0.761	0.0416	"	0.831		91.6	14-132				
2,4-Dinitrophenol	1.57	0.0830	"	0.831		189	10-171	High Bias			
2,4-Dinitrotoluene	1.09	0.0416	"	0.831		131	34-131				
2,6-Dinitrotoluene	1.12	0.0416	"	0.831		135	31-128	High Bias			
2-Chloronaphthalene	0.699	0.0416	"	0.831		84.2	31-117				
2-Chlorophenol	0.695	0.0416	"	0.831		83.6	33-113				
2-Methylnaphthalene	0.693	0.0416	"	0.831		83.5	12-138				
2-Methylphenol	0.674	0.0416	"	0.831		81.2	10-136				
2-Nitroaniline	1.00	0.0830	"	0.831		120	27-132				
2-Nitrophenol	1.13	0.0416	"	0.831		136	17-129	High Bias			
3- & 4-Methylphenols	0.607	0.0416	"	0.831		73.0	29-103				
3,3-Dichlorobenzidine	1.05	0.0416	"	0.831		127	22-149				
3-Nitroaniline	0.723	0.0830	"	0.831		87.0	20-133				
4,6-Dinitro-2-methylphenol	1.50	0.0830	"	0.831		181	10-143	High Bias			
4-Bromophenyl phenyl ether	0.740	0.0416	"	0.831		89.1	29-120				
4-Chloro-3-methylphenol	0.698	0.0416	"	0.831		84.1	24-129				
4-Chloroaniline	0.396	0.0416	"	0.831		47.7	10-132				
4-Chlorophenyl phenyl ether	0.691	0.0416	"	0.831		83.2	27-124				
4-Nitroaniline	0.767	0.0830	"	0.831		92.4	16-128				
4-Nitrophenol	0.845	0.0830	"	0.831		102	10-141				
Acenaphthene	0.683	0.0416	"	0.831		82.2	30-121				
Acenaphthylene	0.707	0.0416	"	0.831		85.1	30-115				
Acetophenone	0.533	0.0416	"	0.831		64.1	20-112				
Aniline	0.704	0.166	"	0.831		84.8	10-119				
Anthracene	0.700	0.0416	"	0.831		84.2	34-118				
Atrazine	0.649	0.0416	"	0.831		78.2	26-112				
Benzaldehyde	0.550	0.0416	"	0.831		66.3	21-100				
Benzo(a)anthracene	0.736	0.0416	"	0.831		88.6	32-122				
Benzo(a)pyrene	0.768	0.0416	"	0.831		92.5	29-133				
Benzo(b)fluoranthene	0.720	0.0416	"	0.831		86.6	25-133				
Benzo(g,h,i)perylene	0.742	0.0416	"	0.831		89.3	10-143				
Benzo(k)fluoranthene	0.710	0.0416	"	0.831		85.5	25-128				
Benzoic acid	0.626	0.0416	"	0.831		75.3	10-140				
Benzyl alcohol	0.663	0.0416	"	0.831		79.9	30-115				
Benzyl butyl phthalate	0.780	0.0416	"	0.831		93.9	26-126				
Bis(2-chloroethoxy)methane	0.650	0.0416	"	0.831		78.3	19-132				
Bis(2-chloroethyl)ether	0.600	0.0416	"	0.831		72.2	19-125				
Bis(2-chloroisopropyl)ether	0.536	0.0416	"	0.831		64.5	20-135				
Bis(2-ethylhexyl)phthalate	0.807	0.0416	"	0.831		97.1	10-155				
Caprolactam	0.627	0.0830	"	0.831		75.5	10-127				

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 BL12872 - EPA 3546 SVOA											
LCS (BL12872-BS1) LCS							Prepared & Analyzed: 12/28/2021				
Carbazole	0.706	0.0416	mg/kg wet	0.831		85.0	35-123				
Chrysene	0.699	0.0416	"	0.831		84.2	32-123				
Dibenzo(a,h)anthracene	0.787	0.0416	"	0.831		94.7	10-136				
Dibenzofuran	0.678	0.0416	"	0.831		81.6	29-121				
Diethyl phthalate	0.666	0.0416	"	0.831		80.2	34-116				
Dimethyl phthalate	0.683	0.0416	"	0.831		82.2	35-124				
Di-n-butyl phthalate	0.717	0.0416	"	0.831		86.3	31-116				
Di-n-octyl phthalate	0.751	0.0416	"	0.831		90.4	26-136				
Fluoranthene	0.689	0.0416	"	0.831		82.9	33-122				
Fluorene	0.678	0.0416	"	0.831		81.6	29-123				
Hexachlorobenzene	0.665	0.0416	"	0.831		80.1	21-124				
Hexachlorobutadiene	0.747	0.0416	"	0.831		89.9	10-149				
Hexachlorocyclopentadiene	0.803	0.0416	"	0.831		96.6	10-129				
Hexachloroethane	0.638	0.0416	"	0.831		76.8	28-108				
Indeno(1,2,3-cd)pyrene	0.766	0.0416	"	0.831		92.2	10-135				
Isophorone	0.650	0.0416	"	0.831		78.3	20-132				
Naphthalene	0.691	0.0416	"	0.831		83.2	23-124				
Nitrobenzene	0.815	0.0416	"	0.831		98.1	13-132				
N-Nitrosodimethylamine	0.602	0.0416	"	0.831		72.4	11-129				
N-nitroso-di-n-propylamine	0.555	0.0416	"	0.831		66.8	24-119				
N-Nitrosodiphenylamine	0.820	0.0416	"	0.831		98.7	22-152				
Pentachlorophenol	0.829	0.0416	"	0.831		99.8	10-139				
Phenanthrene	0.675	0.0416	"	0.831		81.2	33-123				
Phenol	0.678	0.0416	"	0.831		81.6	23-115				
Pyrene	0.751	0.0416	"	0.831		90.5	24-130				
Surrogate: SURR: 2-Fluorophenol	*1.39*		*"*	*1.66*		*83.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.33*		*"*	*1.66*		*80.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.881*		*"*	*0.831*		*106*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.685*		*"*	*0.831*		*82.5*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.86*		*"*	*1.66*		*112*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.764*		*"*	*0.831*		*92.0*	*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 BL12872 - EPA 3546 SVOA											
Matrix Spike (BL12872-MS1) Matrix Spike	*Source sample: 21L0971-14 (Matrix Spike)							Prepared: 12/28/2021 Analyzed: 12/29/2021			
1,1-Biphenyl	0.616	0.104	mg/kg dry	1.04	ND	59.2	10-130				
1,2,4,5-Tetrachlorobenzene	0.895	0.208	"	1.04	ND	86.0	10-133				
1,2,4-Trichlorobenzene	0.797	0.104	"	1.04	ND	76.6	10-127				
1,2-Dichlorobenzene	0.718	0.104	"	1.04	ND	69.0	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.642	0.104	"	1.04	ND	61.8	10-144				
1,3-Dichlorobenzene	0.737	0.104	"	1.04	ND	70.9	11-111				
1,4-Dichlorobenzene	0.734	0.104	"	1.04	ND	70.6	10-106				
2,3,4,6-Tetrachlorophenol	0.911	0.208	"	1.04	ND	87.6	30-130				
2,4,5-Trichlorophenol	0.928	0.104	"	1.04	ND	89.2	10-127				
2,4,6-Trichlorophenol	0.880	0.104	"	1.04	ND	84.6	10-132				
2,4-Dichlorophenol	0.890	0.104	"	1.04	ND	85.6	10-128				
2,4-Dimethylphenol	0.824	0.104	"	1.04	ND	79.2	10-137				
2,4-Dinitrophenol	ND	0.208	"	1.04	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.879	0.104	"	1.04	ND	84.5	16-135				
2,6-Dinitrotoluene	0.998	0.104	"	1.04	ND	95.9	18-131				
2-Chloronaphthalene	0.789	0.104	"	1.04	ND	75.8	10-129				
2-Chlorophenol	0.776	0.104	"	1.04	ND	74.6	15-116				
2-Methylnaphthalene	0.770	0.104	"	1.04	ND	74.0	10-147				
2-Methylphenol	0.733	0.104	"	1.04	ND	70.5	10-136				
2-Nitroaniline	1.24	0.208	"	1.04	ND	119	10-137				
2-Nitrophenol	0.862	0.104	"	1.04	ND	82.9	10-129				
3- & 4-Methylphenols	0.678	0.104	"	1.04	ND	65.2	10-123				
3,3-Dichlorobenzidine	1.62	0.104	"	1.04	ND	156	10-155	High Bias			
3-Nitroaniline	1.17	0.208	"	1.04	ND	112	12-133				
4,6-Dinitro-2-methylphenol	ND	0.208	"	1.04	ND		10-155	Low Bias			
4-Bromophenyl phenyl ether	0.841	0.104	"	1.04	ND	80.9	14-128				
4-Chloro-3-methylphenol	0.794	0.104	"	1.04	ND	76.3	10-134				
4-Chloroaniline	0.685	0.104	"	1.04	ND	65.8	10-145				
4-Chlorophenyl phenyl ether	0.788	0.104	"	1.04	ND	75.8	14-130				
4-Nitroaniline	1.08	0.208	"	1.04	ND	104	10-147				
4-Nitrophenol	0.776	0.208	"	1.04	ND	74.6	10-137				
Acenaphthene	0.756	0.104	"	1.04	ND	72.7	10-146				
Acenaphthylene	0.780	0.104	"	1.04	ND	75.0	10-134				
Acetophenone	0.593	0.104	"	1.04	ND	57.0	10-116				
Aniline	0.776	0.417	"	1.04	ND	74.6	10-123				
Anthracene	0.786	0.104	"	1.04	ND	75.5	10-142				
Atrazine	0.681	0.104	"	1.04	ND	65.4	19-115				
Benzaldehyde	0.606	0.104	"	1.04	ND	58.2	10-125				
Benzo(a)anthracene	0.859	0.104	"	1.04	ND	82.6	10-158				
Benzo(a)pyrene	0.903	0.104	"	1.04	ND	86.8	10-180				
Benzo(b)fluoranthene	0.851	0.104	"	1.04	ND	81.8	10-200				
Benzo(g,h,i)perylene	0.725	0.104	"	1.04	ND	69.7	10-138				
Benzo(k)fluoranthene	0.824	0.104	"	1.04	ND	79.2	10-197				
Benzoic acid	0.134	0.104	"	1.04	ND	12.9	10-166				
Benzyl alcohol	0.675	0.104	"	1.04	ND	64.9	12-124				
Benzyl butyl phthalate	0.836	0.104	"	1.04	ND	80.3	10-154				
Bis(2-chloroethoxy)methane	0.701	0.104	"	1.04	ND	67.4	10-132				
Bis(2-chloroethyl)ether	0.630	0.104	"	1.04	ND	60.6	10-119				
Bis(2-chloroisopropyl)ether	0.617	0.104	"	1.04	ND	59.3	10-139				
Bis(2-ethylhexyl)phthalate	0.857	0.104	"	1.04	ND	82.4	10-167				
Caprolactam	0.659	0.208	"	1.04	ND	63.4	10-132				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12872 - EPA 3546 SVOA

Matrix Spike (BL12872-MS1) Matrix Spike *Source sample: 21L0971-14 (Matrix Spike) Prepared: 12/28/2021 Analyzed: 12/29/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Carbazole	0.816	0.104	mg/kg dry	1.04	ND	78.4	10-167				
Chrysene	0.788	0.104	"	1.04	ND	75.8	10-156				
Dibenzo(a,h)anthracene	0.804	0.104	"	1.04	ND	77.3	10-137				
Dibenzofuran	0.771	0.104	"	1.04	ND	74.2	10-147				
Diethyl phthalate	0.710	0.104	"	1.04	ND	68.2	20-120				
Dimethyl phthalate	0.738	0.104	"	1.04	ND	71.0	18-131				
Di-n-butyl phthalate	0.762	0.104	"	1.04	ND	73.3	10-137				
Di-n-octyl phthalate	0.827	0.104	"	1.04	ND	79.5	10-180				
Fluoranthene	0.783	0.104	"	1.04	ND	75.3	10-160				
Fluorene	0.783	0.104	"	1.04	ND	75.3	10-157				
Hexachlorobenzene	0.708	0.104	"	1.04	ND	68.1	10-137				
Hexachlorobutadiene	0.849	0.104	"	1.04	ND	81.6	10-132				
Hexachlorocyclopentadiene	0.0608	0.104	"	1.04	ND	5.84	10-106	Low Bias			
Hexachloroethane	0.418	0.104	"	1.04	ND	40.2	10-110				
Indeno(1,2,3-cd)pyrene	0.786	0.104	"	1.04	ND	75.5	10-144				
Isophorone	0.701	0.104	"	1.04	ND	67.4	10-132				
Naphthalene	0.776	0.104	"	1.04	ND	74.6	10-141				
Nitrobenzene	0.925	0.104	"	1.04	ND	88.9	10-131				
N-Nitrosodimethylamine	0.635	0.104	"	1.04	ND	61.0	10-126				
N-nitroso-di-n-propylamine	0.628	0.104	"	1.04	ND	60.4	10-125				
N-Nitrosodiphenylamine	0.930	0.104	"	1.04	ND	89.4	10-177				
Pentachlorophenol	0.918	0.104	"	1.04	ND	88.2	10-153				
Phenanthrene	0.764	0.104	"	1.04	ND	73.4	10-148				
Phenol	0.783	0.104	"	1.04	ND	75.3	10-126				
Pyrene	0.830	0.104	"	1.04	ND	79.8	10-165				
Surrogate: SURR: 2-Fluorophenol	*1.53*		*"*	*2.08*		*73.7*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.48*		*"*	*2.08*		*71.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.980*		*"*	*1.04*		*94.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.768*		*"*	*1.04*		*73.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.13*		*"*	*2.08*		*102*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.851*		*"*	*1.04*		*81.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12872 - EPA 3546 SVOA

Matrix Spike Dup (BL12872-M Matrix Spike Dup *Source sample: 21L0971-14 (Matrix Spike Dup) Prepared: 12/28/2021 Analyzed: 12/29/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.777	0.104	mg/kg dry	1.04	ND	74.7	10-130		23.2	30	
1,2,4,5-Tetrachlorobenzene	1.17	0.208	"	1.04	ND	112	10-133		26.5	30	
1,2,4-Trichlorobenzene	1.04	0.104	"	1.04	ND	99.8	10-127		26.3	30	
1,2-Dichlorobenzene	0.947	0.104	"	1.04	ND	91.0	14-111		27.5	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.831	0.104	"	1.04	ND	79.9	10-144		25.6	30	
1,3-Dichlorobenzene	0.970	0.104	"	1.04	ND	93.3	11-111		27.3	30	
1,4-Dichlorobenzene	0.929	0.104	"	1.04	ND	89.3	10-106		23.4	30	
2,3,4,6-Tetrachlorophenol	1.14	0.208	"	1.04	ND	109	30-130		22.0	30	
2,4,5-Trichlorophenol	1.17	0.104	"	1.04	ND	113	10-127		23.2	30	
2,4,6-Trichlorophenol	1.11	0.104	"	1.04	ND	107	10-132		23.5	30	
2,4-Dichlorophenol	1.13	0.104	"	1.04	ND	108	10-128		23.3	30	
2,4-Dimethylphenol	1.05	0.104	"	1.04	ND	101	10-137		24.5	30	
2,4-Dinitrophenol	ND	0.208	"	1.04	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	1.20	0.104	"	1.04	ND	116	16-135		31.1	30	Non-dir.
2,6-Dinitrotoluene	1.35	0.104	"	1.04	ND	130	18-131		29.8	30	
2-Chloronaphthalene	1.00	0.104	"	1.04	ND	96.6	10-129		24.0	30	
2-Chlorophenol	1.01	0.104	"	1.04	ND	97.5	15-116		26.7	30	
2-Methylnaphthalene	1.02	0.104	"	1.04	ND	97.8	10-147		27.7	30	
2-Methylphenol	1.02	0.104	"	1.04	ND	98.4	10-136		33.1	30	Non-dir.
2-Nitroaniline	1.56	0.208	"	1.04	ND	150	10-137	High Bias	23.3	30	
2-Nitrophenol	1.22	0.104	"	1.04	ND	117	10-129		34.1	30	Non-dir.
3- & 4-Methylphenols	0.868	0.104	"	1.04	ND	83.4	10-123		24.5	30	
3,3-Dichlorobenzidine	2.08	0.104	"	1.04	ND	200	10-155	High Bias	25.0	30	
3-Nitroaniline	1.44	0.208	"	1.04	ND	139	12-133	High Bias	21.0	30	
4,6-Dinitro-2-methylphenol	0.180	0.208	"	1.04	ND	17.3	10-155			30	
4-Bromophenyl phenyl ether	1.09	0.104	"	1.04	ND	105	14-128		25.6	30	
4-Chloro-3-methylphenol	1.04	0.104	"	1.04	ND	100	10-134		26.9	30	
4-Chloroaniline	0.867	0.104	"	1.04	ND	83.4	10-145		23.5	30	
4-Chlorophenyl phenyl ether	0.985	0.104	"	1.04	ND	94.7	14-130		22.2	30	
4-Nitroaniline	1.37	0.208	"	1.04	ND	131	10-147		23.7	30	
4-Nitrophenol	1.02	0.208	"	1.04	ND	97.8	10-137		27.0	30	
Acenaphthene	0.980	0.104	"	1.04	ND	94.2	10-146		25.8	30	
Acenaphthylene	1.01	0.104	"	1.04	ND	97.4	10-134		26.0	30	
Acetophenone	0.730	0.104	"	1.04	ND	70.2	10-116		20.6	30	
Aniline	1.03	0.417	"	1.04	ND	98.6	10-123		27.7	30	
Anthracene	1.02	0.104	"	1.04	ND	97.6	10-142		25.5	30	
Atrazine	0.847	0.104	"	1.04	ND	81.4	19-115		21.8	30	
Benzaldehyde	0.744	0.104	"	1.04	ND	71.5	10-125		20.5	30	
Benzo(a)anthracene	1.11	0.104	"	1.04	ND	107	10-158		25.6	30	
Benzo(a)pyrene	1.18	0.104	"	1.04	ND	114	10-180		26.7	30	
Benzo(b)fluoranthene	1.10	0.104	"	1.04	ND	106	10-200		25.9	30	
Benzo(g,h,i)perylene	0.971	0.104	"	1.04	ND	93.4	10-138		29.0	30	
Benzo(k)fluoranthene	1.09	0.104	"	1.04	ND	104	10-197		27.4	30	
Benzoic acid	0.169	0.104	"	1.04	ND	16.2	10-166		23.1	30	
Benzyl alcohol	0.890	0.104	"	1.04	ND	85.5	12-124		27.4	30	
Benzyl butyl phthalate	1.09	0.104	"	1.04	ND	105	10-154		26.6	30	
Bis(2-chloroethoxy)methane	0.918	0.104	"	1.04	ND	88.2	10-132		26.8	30	
Bis(2-chloroethyl)ether	0.849	0.104	"	1.04	ND	81.6	10-119		29.6	30	
Bis(2-chloroisopropyl)ether	0.789	0.104	"	1.04	ND	75.8	10-139		24.5	30	
Bis(2-ethylhexyl)phthalate	1.11	0.104	"	1.04	ND	107	10-167		25.8	30	
Caprolactam	0.864	0.208	"	1.04	ND	83.0	10-132		26.9	30	

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12872 - EPA 3546 SVOA

Matrix Spike Dup (BL12872-M Matrix Spike Dup *Source sample: 21L0971-14 (Matrix Spike Dup) Prepared: 12/28/2021 Analyzed: 12/29/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Carbazole	1.05	0.104	mg/kg dry	1.04	ND	101	10-167		25.0	30	
Chrysene	1.03	0.104	"	1.04	ND	99.0	10-156		26.6	30	
Dibenzo(a,h)anthracene	1.08	0.104	"	1.04	ND	103	10-137		29.0	30	
Dibenzofuran	1.00	0.104	"	1.04	ND	96.3	10-147		26.0	30	
Diethyl phthalate	0.919	0.104	"	1.04	ND	88.3	20-120		25.7	30	
Dimethyl phthalate	0.942	0.104	"	1.04	ND	90.6	18-131		24.3	30	
Di-n-butyl phthalate	0.997	0.104	"	1.04	ND	95.8	10-137		26.7	30	
Di-n-octyl phthalate	1.07	0.104	"	1.04	ND	103	10-180		25.8	30	
Fluoranthene	1.03	0.104	"	1.04	ND	99.3	10-160		27.5	30	
Fluorene	1.01	0.104	"	1.04	ND	96.8	10-157		25.0	30	
Hexachlorobenzene	0.955	0.104	"	1.04	ND	91.8	10-137		29.7	30	
Hexachlorobutadiene	1.08	0.104	"	1.04	ND	104	10-132		24.0	30	
Hexachlorocyclopentadiene	0.124	0.104	"	1.04	ND	11.9	10-106		68.5	30	Non-dir.
Hexachloroethane	0.599	0.104	"	1.04	ND	57.6	10-110		35.7	30	Non-dir.
Indeno(1,2,3-cd)pyrene	1.01	0.104	"	1.04	ND	96.6	10-144		24.5	30	
Isophorone	0.929	0.104	"	1.04	ND	89.3	10-132		28.0	30	
Naphthalene	1.01	0.104	"	1.04	ND	97.2	10-141		26.4	30	
Nitrobenzene	1.17	0.104	"	1.04	ND	112	10-131		23.1	30	
N-Nitrosodimethylamine	0.811	0.104	"	1.04	ND	77.9	10-126		24.3	30	
N-nitroso-di-n-propylamine	0.824	0.104	"	1.04	ND	79.2	10-125		26.9	30	
N-Nitrosodiphenylamine	1.14	0.104	"	1.04	ND	109	10-177		20.2	30	
Pentachlorophenol	1.18	0.104	"	1.04	ND	113	10-153		24.9	30	
Phenanthrene	0.999	0.104	"	1.04	ND	96.0	10-148		26.6	30	
Phenol	0.964	0.104	"	1.04	ND	92.6	10-126		20.7	30	
Pyrene	1.07	0.104	"	1.04	ND	102	10-165		24.9	30	
Surrogate: SURR: 2-Fluorophenol	*1.98*		*"*	*2.08*		*95.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.91*		*"*	*2.08*		*92.0*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*1.27*		*"*	*1.04*		*122*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.990*		*"*	*1.04*		*95.1*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.66*		*"*	*2.08*		*128*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*1.08*		*"*	*1.04*		*104*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - 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 BL12997 - EPA 3550C											
Blank (BL12997-BLK1) Blank								Prepared: 12/29/2021 Analyzed: 12/30/2021			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*267*		*"*	*495*		*54.0*	*39-127.5*				
LCS (BL12997-BS1) LCS								Prepared: 12/29/2021 Analyzed: 12/30/2021			
1,4-Dioxane	514	19.8	ug/kg	495		104	40-130				
Surrogate: 1,4-Dioxane-d8	*257*		*"*	*495*		*52.0*	*39-127.5*				

PFAS Target compounds by LC/MS-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 BL12336 - SPE Ext-PFAS-EPA 537.1M											
Blank (BL12336-BLK1) Blank								Prepared: 12/17/2021 Analyzed: 12/20/2021			
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*67.1*		*"*	*74.3*		*90.3*	*25-150*				
Surrogate: M5PFHxA	*66.5*		*"*	*80.0*		*83.1*	*25-150*				
Surrogate: M4PFHpA	*79.5*		*"*	*80.0*		*99.4*	*25-150*				
Surrogate: M3PFHxS	*72.6*		*"*	*75.7*		*95.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*80.4*		*"*	*80.0*		*100*	*25-150*				
Surrogate: M6PFDA	*77.9*		*"*	*80.0*		*97.4*	*25-150*				
Surrogate: M7PFUdA	*62.0*		*"*	*80.0*		*77.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*70.9*		*"*	*80.0*		*88.6*	*25-150*				
Surrogate: M2PFTeDA	*48.3*		*"*	*80.0*		*60.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*65.6*		*"*	*80.0*		*82.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*78.0*		*"*	*76.6*		*102*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*65.4*		*"*	*80.0*		*81.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*39.0*		*"*	*80.0*		*48.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*63.9*		*"*	*80.0*		*79.8*	*25-150*				
Surrogate: d5-N-EtFOSAA	*67.9*		*"*	*80.0*		*84.8*	*25-150*				
Surrogate: M2-6:2 FTS	*54.3*		*"*	*75.9*		*71.5*	*25-200*				
Surrogate: M2-8:2 FTS	*60.3*		*"*	*76.6*		*78.7*	*25-200*				
Surrogate: M9PFNA	*64.6*		*"*	*80.0*		*80.8*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12336 - SPE Ext-PFAS-EPA 537.1M

LCS (BL12336-BS1) LCS — Prepared: 12/17/2021 Analyzed: 12/20/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	67.5	2.00	ng/L	70.8		95.3	50-130				
Perfluorohexanoic acid (PFHxA)	75.4	2.00	"	80.0		94.2	50-130				
Perfluoroheptanoic acid (PFHpA)	64.4	2.00	"	80.0		80.5	50-130				
Perfluorohexanesulfonic acid (PFHxS)	68.6	2.00	"	72.8		94.2	50-130				
Perfluorooctanoic acid (PFOA)	77.2	2.00	"	80.0		96.5	50-130				
Perfluorooctanesulfonic acid (PFOS)	79.8	2.00	"	74.0		108	50-130				
Perfluorononanoic acid (PFNA)	73.3	2.00	"	80.0		91.7	50-130				
Perfluorodecanoic acid (PFDA)	73.6	2.00	"	80.0		92.0	50-130				
Perfluoroundecanoic acid (PFUnA)	64.5	2.00	"	80.0		80.6	50-130				
Perfluorododecanoic acid (PFDoA)	79.8	2.00	"	80.0		99.8	50-130				
Perfluorotridecanoic acid (PFTrDA)	54.0	2.00	"	80.0		67.5	50-130				
Perfluorotetradecanoic acid (PFTA)	90.6	2.00	"	80.0		113	50-130				
N-MeFOSAA	87.1	2.00	"	80.0		109	50-130				
N-EtFOSAA	85.1	2.00	"	80.0		106	50-130				
Perfluoropentanoic acid (PFPeA)	76.1	2.00	"	80.0		95.1	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	89.1	2.00	"	80.0		111	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	74.5	2.00	"	76.4		97.5	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	76.0	2.00	"	77.2		98.5	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	76.4	5.00	"	76.0		101	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	85.5	2.00	"	76.8		111	50-175				
Perfluoro-n-butanoic acid (PFBA)	81.5	2.00	"	80.0		102	50-130				
Surrogate: M3PFBS	*85.1*		*"*	*74.3*		*115*	*25-150*				
Surrogate: M5PFHxA	*78.1*		*"*	*80.0*		*97.7*	*25-150*				
Surrogate: M4PFHpA	*95.6*		*"*	*80.0*		*119*	*25-150*				
Surrogate: M3PFHxS	*84.2*		*"*	*75.7*		*111*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*84.8*		*"*	*80.0*		*106*	*25-150*				
Surrogate: M6PFDA	*86.6*		*"*	*80.0*		*108*	*25-150*				
Surrogate: M7PFUdA	*69.8*		*"*	*80.0*		*87.2*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*86.0*		*"*	*80.0*		*107*	*25-150*				
Surrogate: M2PFTeDA	*52.0*		*"*	*80.0*		*65.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*74.8*		*"*	*80.0*		*93.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*89.0*		*"*	*76.6*		*116*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.1*		*"*	*80.0*		*96.3*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*32.2*		*"*	*80.0*		*40.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*59.9*		*"*	*80.0*		*74.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*59.8*		*"*	*80.0*		*74.7*	*25-150*				
Surrogate: M2-6:2 FTS	*75.9*		*"*	*75.9*		*99.9*	*25-200*				
Surrogate: M2-8:2 FTS	*62.5*		*"*	*76.6*		*81.6*	*25-200*				
Surrogate: M9PFNA	*80.7*		*"*	*80.0*		*101*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12336 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike (BL12336-MS1) Matrix Spike *Source sample: 21L0804-01 (Matrix Spike) Prepared: 12/17/2021 Analyzed: 12/20/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	70.6	1.85	ng/L	65.6	5.66	99.1	25-150				
Perfluorohexanoic acid (PFHxA)	81.4	1.85	"	74.1	7.52	99.7	25-150				
Perfluoroheptanoic acid (PFHpA)	116	1.85	"	74.1	9.74	144	25-150				
Perfluorohexanesulfonic acid (PFHxS)	57.1	1.85	"	67.4	1.12	83.0	25-150				
Perfluorooctanoic acid (PFOA)	92.7	1.85	"	74.1	43.1	66.9	25-150				
Perfluorooctanesulfonic acid (PFOS)	81.3	1.85	"	68.5	6.56	109	25-150				
Perfluorononanoic acid (PFNA)	68.3	1.85	"	74.1	0.931	90.9	25-150				
Perfluorodecanoic acid (PFDA)	67.1	1.85	"	74.1	ND	90.5	25-150				
Perfluoroundecanoic acid (PFUnA)	76.1	1.85	"	74.1	ND	103	25-150				
Perfluorododecanoic acid (PFDoA)	71.9	1.85	"	74.1	ND	97.0	25-150				
Perfluorotridecanoic acid (PFTrDA)	56.0	1.85	"	74.1	ND	75.6	25-150				
Perfluorotetradecanoic acid (PFTA)	80.2	1.85	"	74.1	ND	108	25-150				
N-MeFOSAA	85.5	1.85	"	74.1	ND	115	25-150				
N-EtFOSAA	71.9	1.85	"	74.1	ND	97.0	25-150				
Perfluoropentanoic acid (PFPeA)	80.7	1.85	"	74.1	11.0	94.1	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	89.3	1.85	"	74.1	ND	121	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	71.3	1.85	"	70.7	0.886	99.5	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	74.0	1.85	"	71.5	ND	104	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	64.9	4.63	"	70.4	ND	92.2	25-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	58.4	1.85	"	71.1	ND	82.1	25-200				
Perfluoro-n-butanoic acid (PFBA)	82.6	1.85	"	74.1	13.9	92.8	25-150				
Surrogate: M3PFBS	*52.1*		*"*	*68.8*		*75.7*	*25-150*				
Surrogate: M5PFHxA	*51.1*		*"*	*74.1*		*69.0*	*25-150*				
Surrogate: M4PFHpA	*37.6*		*"*	*74.1*		*50.7*	*25-150*				
Surrogate: M3PFHxS	*63.6*		*"*	*70.1*		*90.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*83.9*		*"*	*74.1*		*113*	*25-150*				
Surrogate: M6PFDA	*80.8*		*"*	*74.1*		*109*	*25-150*				
Surrogate: M7PFUdA	*66.8*		*"*	*74.1*		*90.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*65.8*		*"*	*74.1*		*88.8*	*25-150*				
Surrogate: M2PFTeDA	*54.5*		*"*	*74.1*		*73.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*51.6*		*"*	*74.1*		*69.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*70.0*		*"*	*70.9*		*98.7*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*45.5*		*"*	*74.1*		*61.4*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*4.84*		*"*	*74.1*		*6.54*	*10-150*				
Surrogate: d3-N-MeFOSAA	*59.3*		*"*	*74.1*		*80.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*68.1*		*"*	*74.1*		*92.0*	*25-150*				
Surrogate: M2-6:2 FTS	*103*		*"*	*70.3*		*147*	*25-200*				
Surrogate: M2-8:2 FTS	*108*		*"*	*71.0*		*152*	*25-200*				
Surrogate: M9PFNA	*72.4*		*"*	*74.1*		*97.7*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12336 - SPE Ext-PFAS-EPA 537.1M

Matrix Spike Dup (BL12336-M Matrix Spike Dup *Source sample: 21L0804-01 (Matrix Spike Dup) Prepared: 12/17/2021 Analyzed: 12/20/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	72.5	1.92	ng/L	68.1	5.66	98.2	25-150		2.69	35	
Perfluorohexanoic acid (PFHxA)	83.9	1.92	"	76.9	7.52	99.3	25-150		3.06	35	
Perfluoroheptanoic acid (PFHpA)	118	1.92	"	76.9	9.74	141	25-150		1.94	35	
Perfluorohexanesulfonic acid (PFHxS)	70.0	1.92	"	70.0	1.12	98.4	25-150		20.3	35	
Perfluorooctanoic acid (PFOA)	116	1.92	"	76.9	43.1	94.6	25-150		22.3	35	
Perfluorooctanesulfonic acid (PFOS)	86.8	1.92	"	71.2	6.56	113	25-150		6.59	35	
Perfluorononanoic acid (PFNA)	72.2	1.92	"	76.9	0.931	92.6	25-150		5.58	35	
Perfluorodecanoic acid (PFDA)	82.9	1.92	"	76.9	ND	108	25-150		21.2	35	
Perfluoroundecanoic acid (PFUnA)	79.8	1.92	"	76.9	ND	104	25-150		4.71	35	
Perfluorododecanoic acid (PFDoA)	83.5	1.92	"	76.9	ND	109	25-150		15.0	35	
Perfluorotridecanoic acid (PFTrDA)	73.3	1.92	"	76.9	ND	95.3	25-150		26.7	35	
Perfluorotetradecanoic acid (PFTA)	84.0	1.92	"	76.9	ND	109	25-150		4.64	35	
N-MeFOSAA	90.4	1.92	"	76.9	ND	118	25-150		5.64	35	
N-EtFOSAA	83.5	1.92	"	76.9	ND	108	25-150		14.9	35	
Perfluoropentanoic acid (PFPeA)	83.5	1.92	"	76.9	11.0	94.2	25-150		3.42	35	
Perfluoro-1-octanesulfonamide (FOSA)	93.3	1.92	"	76.9	ND	121	25-150		4.41	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	78.2	1.92	"	73.5	0.886	105	25-150		9.23	35	
Perfluoro-1-decanesulfonic acid (PFDS)	78.3	1.92	"	74.2	ND	105	25-150		5.62	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	71.3	4.81	"	73.1	ND	97.6	25-200		9.39	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	68.4	1.92	"	73.8	ND	92.7	25-200		15.8	35	
Perfluoro-n-butanoic acid (PFBA)	88.4	1.92	"	76.9	13.9	97.0	25-150		6.88	35	
Surrogate: M3PFBS	*52.5*		*"*	*71.5*		*73.5*	*25-150*				
Surrogate: M5PFHxA	*52.6*		*"*	*76.9*		*68.4*	*25-150*				
Surrogate: M4PFHpA	*40.1*		*"*	*76.9*		*52.1*	*25-150*				
Surrogate: M3PFHxS	*59.5*		*"*	*72.8*		*81.8*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*74.5*		*"*	*76.9*		*96.8*	*25-150*				
Surrogate: M6PFDA	*70.3*		*"*	*76.9*		*91.4*	*25-150*				
Surrogate: M7PFUdA	*60.6*		*"*	*76.9*		*78.8*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*55.3*		*"*	*76.9*		*71.9*	*25-150*				
Surrogate: M2PFTeDA	*61.8*		*"*	*76.9*		*80.4*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*52.3*		*"*	*76.9*		*68.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*69.5*		*"*	*73.6*		*94.4*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*45.3*		*"*	*76.9*		*58.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*1.46*		*"*	*76.9*		*1.89*	*10-150*				
Surrogate: d3-N-MeFOSAA	*47.9*		*"*	*76.9*		*62.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*48.4*		*"*	*76.9*		*62.9*	*25-150*				
Surrogate: M2-6:2 FTS	*108*		*"*	*73.0*		*149*	*25-200*				
Surrogate: M2-8:2 FTS	*108*		*"*	*73.7*		*147*	*25-200*				
Surrogate: M9PFNA	*76.0*		*"*	*76.9*		*98.8*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12593 - SPE PFAS Extraction-Soil-EPA 537m

Blank (BL12593-BLK1) Blank — Prepared: 12/21/2021 Analyzed: 12/27/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	ND	0.223	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.223	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.223	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.223	"								
Perfluorooctanoic acid (PFOA)	ND	0.223	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.223	"								
Perfluorononanoic acid (PFNA)	ND	0.223	"								
Perfluorodecanoic acid (PFDA)	ND	0.223	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.223	"								
Perfluorododecanoic acid (PFDoA)	ND	0.223	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.223	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.223	"								
N-MeFOSAA	ND	0.223	"								
N-EtFOSAA	ND	0.223	"								
Perfluoropentanoic acid (PFPeA)	ND	0.223	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.223	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.223	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.223	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.223	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.223	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.223	"								
Surrogate: M3PFBS	*3.93*		*"*	*4.15*		*94.8*	*25-150*				
Surrogate: M5PFHxA	*3.82*		*"*	*4.46*		*85.6*	*25-150*				
Surrogate: M4PFHpA	*4.25*		*"*	*4.46*		*95.2*	*25-150*				
Surrogate: M3PFHxS	*3.44*		*"*	*4.22*		*81.4*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.87*		*"*	*4.46*		*86.7*	*25-150*				
Surrogate: M6PFDA	*3.50*		*"*	*4.46*		*78.3*	*25-150*				
Surrogate: M7PFUdA	*3.04*		*"*	*4.46*		*68.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.96*		*"*	*4.46*		*66.4*	*25-150*				
Surrogate: M2PFTeDA	*2.18*		*"*	*4.46*		*48.8*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.78*		*"*	*4.46*		*84.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.02*		*"*	*4.27*		*70.8*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.76*		*"*	*4.46*		*84.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.00*		*"*	*4.46*		*67.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.00*		*"*	*4.46*		*67.2*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.68*		*"*	*4.46*		*60.0*	*25-150*				
Surrogate: M2-6:2 FTS	*3.60*		*"*	*4.23*		*85.1*	*25-200*				
Surrogate: M2-8:2 FTS	*2.68*		*"*	*4.27*		*62.6*	*25-200*				
Surrogate: M9PFNA	*3.42*		*"*	*4.46*		*76.7*	*25-150*				

PFAS Target compounds by LC/MS-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 BL12593 - SPE PFAS Extraction-Soil-EPA 537m											
LCS (BL12593-BS1) LCS								Prepared: 12/21/2021 Analyzed: 12/27/2021			
Perfluorobutanesulfonic acid (PFBS)	3.83	0.239	ug/kg wet	4.23		90.5	50-130				
Perfluorohexanoic acid (PFHxA)	4.91	0.239	"	4.78		103	50-130				
Perfluoroheptanoic acid (PFHpA)	4.04	0.239	"	4.78		84.5	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.00	0.239	"	4.35		92.0	50-130				
Perfluorooctanoic acid (PFOA)	4.07	0.239	"	4.78		85.1	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.04	0.239	"	4.42		91.5	50-130				
Perfluorononanoic acid (PFNA)	3.55	0.239	"	4.78		74.4	50-130				
Perfluorodecanoic acid (PFDA)	4.67	0.239	"	4.78		97.8	50-130				
Perfluoroundecanoic acid (PFUnA)	5.00	0.239	"	4.78		105	50-130				
Perfluorododecanoic acid (PFDoA)	4.85	0.239	"	4.78		101	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.42	0.239	"	4.78		71.7	50-130				
Perfluorotetradecanoic acid (PFTA)	4.53	0.239	"	4.78		94.9	50-130				
N-MeFOSAA	5.84	0.239	"	4.78		122	50-130				
N-EtFOSAA	6.51	0.239	"	4.78		136	50-130	High Bias			
Perfluoropentanoic acid (PFPeA)	4.71	0.239	"	4.78		98.7	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.40	0.239	"	4.78		92.2	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.56	0.239	"	4.56		99.9	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.06	0.239	"	4.61		88.0	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	8.97	0.239	"	4.54		198	50-200				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	10.5	0.239	"	4.58		228	50-200	High Bias			
Perfluoro-n-butanoic acid (PFBA)	4.86	0.239	"	4.78		102	50-130				
Surrogate: M3PFBS	*4.58*		*"*	*4.44*		*103*	*25-150*				
Surrogate: M5PFHxA	*3.97*		*"*	*4.78*		*83.2*	*25-150*				
Surrogate: M4PFHpA	*4.70*		*"*	*4.78*		*98.5*	*25-150*				
Surrogate: M3PFHxS	*4.53*		*"*	*4.52*		*100*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.95*		*"*	*4.78*		*104*	*25-150*				
Surrogate: M6PFDA	*3.83*		*"*	*4.78*		*80.1*	*25-150*				
Surrogate: M7PFUdA	*3.31*		*"*	*4.78*		*69.4*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.19*		*"*	*4.78*		*66.8*	*25-150*				
Surrogate: M2PFTeDA	*1.75*		*"*	*4.78*		*36.6*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.13*		*"*	*4.78*		*86.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*4.19*		*"*	*4.57*		*91.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.24*		*"*	*4.78*		*88.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.63*		*"*	*4.78*		*75.9*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.12*		*"*	*4.78*		*65.3*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.71*		*"*	*4.78*		*56.7*	*25-150*				
Surrogate: M2-6:2 FTS	*4.55*		*"*	*4.53*		*100*	*25-200*				
Surrogate: M2-8:2 FTS	*3.31*		*"*	*4.57*		*72.3*	*25-200*				
Surrogate: M9PFNA	*4.41*		*"*	*4.78*		*92.4*	*25-150*				

PFAS Target compounds by LC/MS-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 BL12593 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike (BL12593-MS1) Matrix Spike	*Source sample: 21L0966-05 (EP07_0-2)							Prepared: 12/21/2021 Analyzed: 12/27/2021			
Perfluorobutanesulfonic acid (PFBS)	4.54	0.249	ug/kg dry	4.41	ND	103	25-150				
Perfluorohexanoic acid (PFHxA)	4.97	0.249	"	4.98	ND	99.7	25-150				
Perfluoroheptanoic acid (PFHpA)	4.70	0.249	"	4.98	ND	94.3	25-150				
Perfluorohexanesulfonic acid (PFHxS)	3.63	0.249	"	4.53	ND	80.1	25-150				
Perfluorooctanoic acid (PFOA)	4.53	0.249	"	4.98	ND	91.0	25-150				
Perfluorooctanesulfonic acid (PFOS)	3.04	0.249	"	4.61	0.635	52.3	25-150				
Perfluorononanoic acid (PFNA)	4.34	0.249	"	4.98	ND	87.2	25-150				
Perfluorodecanoic acid (PFDA)	4.59	0.249	"	4.98	ND	92.2	25-150				
Perfluoroundecanoic acid (PFUnA)	5.43	0.249	"	4.98	ND	109	25-150				
Perfluorododecanoic acid (PFDoA)	5.14	0.249	"	4.98	ND	103	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.39	0.249	"	4.98	ND	88.1	25-150				
Perfluorotetradecanoic acid (PFTA)	5.03	0.249	"	4.98	ND	101	25-150				
N-MeFOSAA	5.52	0.249	"	4.98	ND	111	25-150				
N-EtFOSAA	5.05	0.249	"	4.98	ND	101	25-150				
Perfluoropentanoic acid (PFPeA)	4.25	0.249	"	4.98	ND	85.3	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.86	0.249	"	4.98	ND	97.5	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.77	0.249	"	4.76	ND	142	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	4.62	0.249	"	4.81	ND	96.1	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	10.8	0.249	"	4.73	ND	228	25-200	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	8.79	0.249	"	4.78	0.0607	183	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.17	0.249	"	4.98	0.279	98.1	25-150				
Surrogate: M3PFBS	*3.94*		*"*	*4.63*		*85.1*	*25-150*				
Surrogate: M5PFHxA	*4.29*		*"*	*4.98*		*86.2*	*25-150*				
Surrogate: M4PFHpA	*4.57*		*"*	*4.98*		*91.8*	*25-150*				
Surrogate: M3PFHxS	*4.67*		*"*	*4.71*		*99.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.77*		*"*	*4.98*		*95.7*	*25-150*				
Surrogate: M6PFDA	*4.17*		*"*	*4.98*		*83.7*	*25-150*				
Surrogate: M7PFUdA	*3.17*		*"*	*4.98*		*63.6*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.34*		*"*	*4.98*		*67.0*	*25-150*				
Surrogate: M2PFTeDA	*2.94*		*"*	*4.98*		*59.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.18*		*"*	*4.98*		*83.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.39*		*"*	*4.77*		*71.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.49*		*"*	*4.98*		*90.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.76*		*"*	*4.98*		*55.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.62*		*"*	*4.98*		*72.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.43*		*"*	*4.98*		*68.9*	*25-150*				
Surrogate: M2-6:2 FTS	*2.73*		*"*	*4.73*		*57.8*	*25-200*				
Surrogate: M2-8:2 FTS	*3.57*		*"*	*4.77*		*74.8*	*25-200*				
Surrogate: M9PFNA	*4.33*		*"*	*4.98*		*86.9*	*25-150*				

PFAS Target compounds by LC/MS-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 BL12593 - SPE PFAS Extraction-Soil-EPA 537m											
Matrix Spike Dup (BL12593-M Matrix Spike Dup *Source sample: 21L0966-05 (EP07_0-2)									Prepared: 12/21/2021 Analyzed: 12/27/2021		
Perfluorobutanesulfonic acid (PFBS)	4.26	0.255	ug/kg dry	4.52	ND	94.3	25-150		6.34	35	
Perfluorohexanoic acid (PFHxA)	5.00	0.255	"	5.10	ND	97.9	25-150		0.638	35	
Perfluoroheptanoic acid (PFHpA)	4.54	0.255	"	5.10	ND	89.0	25-150		3.27	35	
Perfluorohexanesulfonic acid (PFHxS)	4.35	0.255	"	4.64	ND	93.7	25-150		18.1	35	
Perfluorooctanoic acid (PFOA)	4.19	0.255	"	5.10	ND	82.1	25-150		7.76	35	
Perfluorooctanesulfonic acid (PFOS)	5.21	0.255	"	4.72	0.635	96.9	25-150		52.5	35	Non-dir.
Perfluorononanoic acid (PFNA)	4.08	0.255	"	5.10	ND	79.9	25-150		6.24	35	
Perfluorodecanoic acid (PFDA)	5.03	0.255	"	5.10	ND	98.6	25-150		9.07	35	
Perfluoroundecanoic acid (PFUnA)	4.79	0.255	"	5.10	ND	93.9	25-150		12.4	35	
Perfluorododecanoic acid (PFDoA)	4.82	0.255	"	5.10	ND	94.5	25-150		6.44	35	
Perfluorotridecanoic acid (PFTrDA)	4.70	0.255	"	5.10	ND	92.1	25-150		6.92	35	
Perfluorotetradecanoic acid (PFTA)	4.83	0.255	"	5.10	ND	94.6	25-150		4.04	35	
N-MeFOSAA	5.09	0.255	"	5.10	ND	99.6	25-150		8.25	35	
N-EtFOSAA	4.84	0.255	"	5.10	ND	94.8	25-150		4.17	35	
Perfluoropentanoic acid (PFPeA)	4.78	0.255	"	5.10	ND	93.6	25-150		11.7	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.24	0.255	"	5.10	ND	83.1	25-150		13.6	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	6.44	0.255	"	4.87	ND	132	25-150		5.00	35	
Perfluoro-1-decanesulfonic acid (PFDS)	4.33	0.255	"	4.93	ND	88.0	25-150		6.36	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	8.86	0.255	"	4.85	ND	183	25-200		19.6	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	7.44	0.255	"	4.90	0.0607	151	25-200		16.6	35	
Perfluoro-n-butanoic acid (PFBA)	5.30	0.255	"	5.10	0.279	98.4	25-150		2.60	35	
Surrogate: M3PFBS	*4.29*		*"*	*4.74*		*90.4*	*25-150*				
Surrogate: M5PFHxA	*4.35*		*"*	*5.10*		*85.3*	*25-150*				
Surrogate: M4PFHpA	*4.77*		*"*	*5.10*		*93.5*	*25-150*				
Surrogate: M3PFHxS	*4.23*		*"*	*4.83*		*87.7*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.96*		*"*	*5.10*		*97.2*	*25-150*				
Surrogate: M6PFDA	*3.71*		*"*	*5.10*		*72.6*	*25-150*				
Surrogate: M7PFUdA	*3.43*		*"*	*5.10*		*67.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.48*		*"*	*5.10*		*68.1*	*25-150*				
Surrogate: M2PFTeDA	*3.16*		*"*	*5.10*		*62.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*4.34*		*"*	*5.10*		*84.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.64*		*"*	*4.88*		*74.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.31*		*"*	*5.10*		*84.5*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.40*		*"*	*5.10*		*66.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.86*		*"*	*5.10*		*75.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*4.11*		*"*	*5.10*		*80.6*	*25-150*				
Surrogate: M2-6:2 FTS	*2.92*		*"*	*4.84*		*60.4*	*25-200*				
Surrogate: M2-8:2 FTS	*3.97*		*"*	*4.89*		*81.2*	*25-200*				
Surrogate: M9PFNA	*4.31*		*"*	*5.10*		*84.4*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12904 - EPA 3550C

Blank (BL12904-BLK1) Blank — Prepared: 12/28/2021 Analyzed: 12/29/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Surrogate: Decachlorobiphenyl	*0.0497*		*"*	*0.0664*		*74.7*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0483*		*"*	*0.0664*		*72.8*	*30-150*				

LCS (BL12904-BS1) LCS — Prepared: 12/28/2021 Analyzed: 12/29/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
4,4'-DDD	0.0244	0.00164	mg/kg wet	0.0332		73.5	40-140				
4,4'-DDE	0.0155	0.00164	"	0.0332		46.8	40-140				
4,4'-DDT	0.0137	0.00164	"	0.0332		41.1	40-140				
Aldrin	0.0354	0.00164	"	0.0332		107	40-140				
alpha-BHC	0.0296	0.00164	"	0.0332		89.0	40-140				
alpha-Chlordane	0.0316	0.00164	"	0.0332		95.0	40-140				
beta-BHC	0.0221	0.00164	"	0.0332		66.5	40-140				
delta-BHC	0.0294	0.00164	"	0.0332		88.5	40-140				
Dieldrin	0.0316	0.00164	"	0.0332		95.2	40-140				
Endosulfan I	0.0462	0.00164	"	0.0332		139	40-140				
Endosulfan II	0.0309	0.00164	"	0.0332		93.1	40-140				
Endosulfan sulfate	0.0270	0.00164	"	0.0332		81.3	40-140				
Endrin	0.0143	0.00164	"	0.0332		43.1	40-140				
Endrin aldehyde	0.0319	0.00164	"	0.0332		96.0	40-140				
Endrin ketone	0.0305	0.00164	"	0.0332		91.8	40-140				
gamma-BHC (Lindane)	0.0292	0.00164	"	0.0332		87.8	40-140				
gamma-Chlordane	0.0319	0.00164	"	0.0332		96.1	40-140				
Heptachlor	0.0224	0.00164	"	0.0332		67.4	40-140				
Heptachlor epoxide	0.0336	0.00164	"	0.0332		101	40-140				
Methoxychlor	0.0324	0.00164	"	0.0332		97.4	40-140				
Surrogate: Decachlorobiphenyl	*0.0610*		*"*	*0.0664*		*91.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0595*		*"*	*0.0664*		*89.6*	*30-150*				

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 BL12904 - EPA 3550C											
Blank (BL12904-BLK2) Blank							Prepared: 12/28/2021 Analyzed: 12/29/2021				
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0468*		*"*	*0.0664*		*70.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0355*		*"*	*0.0664*		*53.5*	*30-120*				
LCS (BL12904-BS2) LCS							Prepared: 12/28/2021 Analyzed: 12/29/2021				
Aroclor 1016	0.254	0.0166	mg/kg wet	0.332		76.4	40-130				
Aroclor 1260	0.231	0.0166	"	0.332		69.7	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0498*		*"*	*0.0664*		*75.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0372*		*"*	*0.0664*		*56.0*	*30-120*				
Matrix Spike (BL12904-MS2) Matrix Spike *Source sample: 21L0962-15 (Matrix Spike)							Prepared: 12/28/2021 Analyzed: 12/29/2021				
Aroclor 1016	0.243	0.0173	mg/kg dry	0.345	ND	70.5	40-140				
Aroclor 1260	0.220	0.0173	"	0.345	ND	63.8	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0470*		*"*	*0.0691*		*68.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0345*		*"*	*0.0691*		*50.0*	*30-120*				
Matrix Spike Dup (BL12904-M Matrix Spike Dup *Source sample: 21L0962-15 (Matrix Spike Dup)							Prepared: 12/28/2021 Analyzed: 12/29/2021				
Aroclor 1016	0.230	0.0173	mg/kg dry	0.345	ND	66.7	40-140		5.45	50	
Aroclor 1260	0.209	0.0173	"	0.345	ND	60.4	40-140		5.54	50	
Surrogate: Tetrachloro-m-xylene	*0.0452*		*"*	*0.0691*		*65.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0338*		*"*	*0.0691*		*49.0*	*30-120*				

Chlorinated Herbicides 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 BL12873 - EPA 3550C/8151A											
Blank (BL12873-BLK1) Blank							Prepared & Analyzed: 12/28/2021				
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.434*		*"*	*0.415*		*104*	*21-150*				
LCS (BL12873-BS1) LCS							Prepared & Analyzed: 12/28/2021				
2,4,5-T	0.103	0.0199	mg/kg wet	0.133		77.5	10-120				
2,4,5-TP (Silvex)	0.105	0.0199	"	0.133		78.8	10-120				
2,4-D	0.106	0.0199	"	0.133		80.0	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.450*		*"*	*0.415*		*108*	*21-150*				
Matrix Spike (BL12873-MS1) Matrix Spike *Source sample: 21L0971-35 (Matrix Spike)							Prepared & Analyzed: 12/28/2021				
2,4,5-T	0.143	0.0248	mg/kg dry	0.165	ND	86.2	10-120				
2,4,5-TP (Silvex)	0.142	0.0248	"	0.165	ND	85.6	10-120				
2,4-D	0.147	0.0248	"	0.165	ND	88.8	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.553*		*"*	*0.517*		*107*	*21-150*				
Matrix Spike Dup (BL12873-M Matrix Spike Dup *Source sample: 21L0971-35 (Matrix Spike Dup)							Prepared & Analyzed: 12/28/2021				
2,4,5-T	0.140	0.0248	mg/kg dry	0.165	ND	85.0	10-120		1.46	35	
2,4,5-TP (Silvex)	0.143	0.0248	"	0.165	ND	86.2	10-120		0.727	35	
2,4-D	0.145	0.0248	"	0.165	ND	87.5	10-118		1.42	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.597*		*"*	*0.517*		*116*	*21-150*				

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
Batch BL12503 - EPA 3050B											
Blank (BL12503-BLK1) Blank								Prepared: 12/20/2021 Analyzed: 12/21/2021			
Aluminum	5.31	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	16.1	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BL12503-DUP1) Duplicate *Source sample: 21L0984-08 (Duplicate)								Prepared: 12/20/2021 Analyzed: 12/22/2021			
Aluminum	6500	5.12	mg/kg dry		6990				7.41	35	
Antimony	ND	2.56	"		2.71					35	
Arsenic	ND	1.54	"		ND					35	
Barium	34.9	2.56	"		36.1				3.52	35	
Beryllium	ND	0.051	"		ND					35	
Cadmium	ND	0.307	"		ND					35	
Calcium	2410	5.12	"		2720				12.4	35	
Chromium	12.1	0.512	"		15.1				22.1	35	
Cobalt	6.78	0.409	"		7.26				6.83	35	
Copper	22.0	2.05	"		18.5				17.1	35	
Iron	21500	25.6	"		22700				5.60	35	
Lead	5.08	0.512	"		6.70				27.4	35	
Magnesium	2560	5.12	"		2410				6.08	35	
Manganese	340	0.512	"		480				34.3	35	
Nickel	14.6	1.02	"		15.7				6.94	35	
Potassium	597	5.12	"		669				11.4	35	
Selenium	ND	2.56	"		ND					35	
Silver	ND	0.512	"		ND					35	
Sodium	203	51.2	"		145				33.5	35	
Thallium	ND	2.56	"		ND					35	
Vanadium	43.3	1.02	"		40.6				6.50	35	
Zinc	17.7	2.56	"		20.1				13.0	35	

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
Batch BL12503 - EPA 3050B											
Matrix Spike (BL12503-MS1) Matrix Spike	*Source sample: 21L0984-08 (Matrix Spike)							Prepared: 12/20/2021 Analyzed: 12/22/2021			
Aluminum	6460	5.12	mg/kg dry	205	6990	NR	75-125	Low Bias			
Antimony	10.4	2.56	"	25.6	2.71	30.0	75-125	Low Bias			
Arsenic	195	1.54	"	205	ND	95.3	75-125				
Barium	244	2.56	"	205	36.1	102	75-125				
Beryllium	4.94	0.051	"	5.12	ND	96.5	75-125				
Cadmium	5.12	0.307	"	5.12	ND	99.9	75-125				
Calcium	2540	5.12	"	102	2720	NR	75-125	Low Bias			
Chromium	31.9	0.512	"	20.5	15.1	82.2	75-125				
Cobalt	60.9	0.409	"	51.2	7.26	105	75-125				
Copper	43.2	2.05	"	25.6	18.5	96.5	75-125				
Iron	21900	25.6	"	102	22700	NR	75-125	Low Bias			
Lead	58.7	0.512	"	51.2	6.70	102	75-125				
Magnesium	2180	5.12	"	102	2410	NR	75-125	Low Bias			
Manganese	435	0.512	"	51.2	480	NR	75-125	Low Bias			
Nickel	65.3	1.02	"	51.2	15.7	96.8	75-125				
Potassium	503	5.12	"	102	669	NR	75-125	Low Bias			
Selenium	155	2.56	"	205	ND	75.6	75-125				
Silver	4.43	0.512	"	5.12	ND	86.5	75-125				
Sodium	172	51.2	"	102	145	27.1	75-125	Low Bias			
Thallium	194	2.56	"	205	ND	94.8	75-125				
Vanadium	83.5	1.02	"	51.2	40.6	84.0	75-125				
Zinc	72.5	2.56	"	51.2	20.1	102	75-125				
Post Spike (BL12503-PS1) Post Spike	*Source sample: 21L0984-08 (Post Spike)							Prepared: 12/20/2021 Analyzed: 12/22/2021			
Aluminum	64.4		ug/mL	2.00	68.3	NR	75-125	Low Bias			
Antimony	0.284		"	0.250	0.026	103	75-125				
Arsenic	2.00		"	2.00	-0.011	99.9	75-125				
Barium	2.54		"	2.00	0.353	109	75-125				
Beryllium	0.048		"	0.0500	-0.004	95.2	75-125				
Cadmium	0.048		"	0.0500	-0.005	96.6	75-125				
Calcium	26.2		"	1.00	26.6	NR	75-125	Low Bias			
Chromium	0.343		"	0.200	0.147	98.0	75-125				
Cobalt	0.610		"	0.500	0.071	108	75-125				
Copper	0.443		"	0.250	0.181	105	75-125				
Iron	205		"	1.00	222	NR	75-125	Low Bias			
Lead	0.602		"	0.500	0.065	107	75-125				
Magnesium	22.6		"	1.00	23.5	NR	75-125	Low Bias			
Manganese	4.80		"	0.500	4.69	21.5	75-125	Low Bias			
Nickel	0.663		"	0.500	0.153	102	75-125				
Potassium	7.07		"	1.00	6.53	53.9	75-125	Low Bias			
Selenium	1.63		"	2.00	-0.181	81.6	75-125				
Silver	0.019		"	0.0500	-0.005	37.6	75-125	Low Bias			
Sodium	2.41		"	1.00	1.41	99.8	75-125				
Thallium	1.97		"	2.00	-0.020	98.4	75-125				
Vanadium	0.901		"	0.500	0.396	101	75-125				
Zinc	0.704		"	0.500	0.197	102	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
Batch BL12503 - EPA 3050B											
Reference (BL12503-SRM1) Reference								Prepared: 12/20/2021 Analyzed: 12/21/2021			
Aluminum	9510	5.00	mg/kg wet	8130		117	49.9-150.1				
Antimony	76.0	2.50	"	134		56.7	19.3-250				
Arsenic	166	1.50	"	156		107	69.9-130.1				
Barium	276	2.50	"	239		116	74.9-124.7				
Beryllium	190	0.050	"	169		112	75.1-125.4				
Cadmium	158	0.300	"	137		115	75.2-124.8				
Calcium	5350	5.00	"	4760		112	72.7-127.5				
Chromium	167	0.500	"	154		108	70.1-129.9				
Cobalt	138	0.400	"	121		114	75-124.8				
Copper	61.4	2.00	"	54.9		112	74.9-125				
Iron	15500	25.0	"	14100		110	34.9-164.5				
Lead	140	0.500	"	130		108	71.8-128.5				
Magnesium	2520	5.00	"	2320		109	62.1-137.9				
Manganese	302	0.500	"	269		112	74-126.4				
Nickel	74.9	1.00	"	53.9		139	69.9-129.9	High Bias			
Potassium	2470	5.00	"	2020		122	58.9-141.1				
Selenium	161	2.50	"	167		96.6	67.7-132.3				
Silver	33.9	0.500	"	33.6		101	68.5-131.3				
Sodium	164	50.0	"	133		123	35-165.4				
Thallium	119	2.50	"	112		106	67.9-131.3				
Vanadium	66.8	1.00	"	62.6		107	59.1-141.1				
Zinc	164	2.50	"	158		104	70.3-129.7				

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 BL12727 - EPA 7473 soil												
Blank (BL12727-BLK1)	Blank								Prepared & Analyzed: 12/23/2021			
Mercury		0.0545	0.0300	mg/kg wet								
Duplicate (BL12727-DUP1)	Duplicate	*Source sample: 21L0958-03 (Duplicate)							Prepared & Analyzed: 12/23/2021			
Mercury		0.0450	0.0320	mg/kg dry		0.0557				21.2	35	
Matrix Spike (BL12727-MS1)	Matrix Spike	*Source sample: 21L0958-03 (Matrix Spike)							Prepared & Analyzed: 12/23/2021			
Mercury		0.565		mg/kg	0.500	0.0522	103	75-125				
Reference (BL12727-SRM1)	Reference								Prepared & Analyzed: 12/23/2021			
Mercury		30.234		mg/kg	27.2		111	59.9-140.1				

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 BL12626 - EPA SW846-3060											
Blank (BL12626-BLK1) Blank								Prepared & Analyzed: 12/22/2021			
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BL12626-DUP1) Duplicate *Source sample: 21L0910-10 (Duplicate)								Prepared & Analyzed: 12/22/2021			
Chromium, Hexavalent	ND	0.555	mg/kg dry		ND					35	
Matrix Spike (BL12626-MS1) Matrix Spike *Source sample: 21L0910-10 (Matrix Spike)								Prepared & Analyzed: 12/22/2021			
Chromium, Hexavalent	22.7	0.555	mg/kg dry	22.2	ND	102	75-125				
Reference (BL12626-SRM1) Reference								Prepared & Analyzed: 12/22/2021			
Chromium, Hexavalent	132		mg/L	109		121	30-169.7				
Batch BL12668 - Analysis Preparation Soil											
Blank (BL12668-BLK1) Blank								Prepared & Analyzed: 12/22/2021			
Cyanide, total	ND	0.500	mg/kg wet								
Duplicate (BL12668-DUP1) Duplicate *Source sample: 21L0910-09 (Duplicate)								Prepared & Analyzed: 12/22/2021			
Cyanide, total	ND	0.517	mg/kg dry		ND					15	
Matrix Spike (BL12668-MS1) Matrix Spike *Source sample: 21L0910-09 (Matrix Spike)								Prepared & Analyzed: 12/22/2021			
Cyanide, total	4.90	0.517	mg/kg dry	10.3	ND	47.4	79.6-107	Low Bias			
Reference (BL12668-SRM1) Reference								Prepared & Analyzed: 12/22/2021			
Cyanide, total	65.9		ug/mL	91.9		71.7	42.22-159.96				

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 BL12735 - % Solids Prep											
Duplicate (BL12735-DUP1) Duplicate	*Source sample: 21L0966-06 (EP06_9-11)							Prepared & Analyzed: 12/23/2021			
% Solids	91.3	0.100	%		90.0				1.50	20	
Batch BL12738 - % Solids Prep											
Duplicate (BL12738-DUP1) Duplicate	*Source sample: 21L1107-12 (Duplicate)							Prepared & Analyzed: 12/23/2021			
% Solids	86.0	0.100	%		85.2				1.03	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21L0966-01	EP06_0-2	40mL Vial with Stir Bar-Cool 4° C
21L0966-02	EP04_0-2	40mL Vial with Stir Bar-Cool 4° C
21L0966-03	EP08_0-2	40mL Vial with Stir Bar-Cool 4° C
21L0966-04	EP01_0-2	40mL Vial with Stir Bar-Cool 4° C
21L0966-05	EP07_0-2	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-HI	Surrogate recovery is above acceptance limits. No target compound is detected in sample.
S-08	The recovery of this surrogate was outside of QC limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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.
PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFSu-H	The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.
PFAS-MSL	The recovery for this matrix spike compound was below control limits possibly due to matrix effects or non-homogenieity of the sample verses the native sample
PCB-I	PCB calculations are based uoon the average response of 5 peaks for each Aroclor. For this sample an internference was present and the analyst was unable to use all 5 peaks.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
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
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

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

YORK Project No. 21L0966

Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170420201	RUSH - Next Day
Address: 360 W. 31st Street New York, NY	Address:	Address:	YOUR Project Name: 495 Smith Street	RUSH - Two Day
Phone.: 212-479-5400	Phone.:	Phone.:		RUSH - Three Day
Contact: Joseph Yanowitz	Contact:	Contact:		RUSH - Four Day
E-mail: JYanowitz@Langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) ✓

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

Andrew Nesci

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

[signature]

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York ✓	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS	
WW - wastewater	Pennsylvania	NY ASP B Package		NJDEP SRP HazSite	
O - Oil ¦ Other	Other		NJDKQP	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP06-0-2	soil	12/16/21 12:52	part 375 VOCs, SVOCs, PCBs, TAL Metals, Hexfri Chrome, cyanide, Pest/Herb, PFAS, 1,4-Dioxane	
EP04-0-2	↓	14:45	↓	
EP08-0-2	↓	13:45	↓	
EP01-0-2	↓	9:45	↓	
EP07-0-2	↓	11:45	↓	
EP06-9-11	↓	12:58	PFAS, 1,4-Dioxane	
EP04-6-8	↓	14:50	↓	
EP08-8-10	↓	13:52	↓	
EP01-5-7	↓	9:50	↓	
EP07-9-11	↓	11:42	↓	

Comments:

Please include PMcMahon@Langan.com

Preservation: (check all that apply)

HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: _____

Special Instruction

Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Andrew Nesci / Langan	12/16/21 15:30	[signature]	12/16/21 1530	[signature]	12/16/21 1800
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Francisco Yorks	12/16/21 1810	Francisco Yorks	12/16/21 2106		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by / Date/Time	Temp. Received at Lab
				[signature] 12/16/21 2106	1.5 Degrees C

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

Field Chain-of-Custody Record

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

YORK Project No. 21L0966

Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan	Company:	Company:	170420201	RUSH - Next Day
Address: 360 W. 31st Street New York, NY	Address:	Address:	YOUR Project Name: 495 Smith Street	RUSH - Two Day
Phone.: 212-479-5400	Phone.:	Phone.:		RUSH - Three Day
Contact: Joseph Yanowitz	Contact:	Contact:		RUSH - Four Day
E-mail: JYanow.tz@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) ✓

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

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

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York ✓	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS	
WW - wastewater	Pennsylvania	NY ASP B Package		NJDEP SRP HazSite	
O - Oil ⋮ Other	Other		NJDKQP	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
SOF-B03-121621	Water	12/16/21 14:50	PFAS	

Comments:
Please include PMcMahon@Langan.com

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

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Andrew Nesci/Langan	12/16/21 15:30	[signature]	12/16/21 1530	[signature]	
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received ~~by / Company~~ Lab	Date/Time	Samples Received in LAB by	Date/Time
		[signature]	12/16/21 2100	[signature] YORK	12/17/21

Temp. Received at Lab 1.5 Degrees C

Technical Report

prepared for:

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

Report Date: 01/04/2022
Client Project ID: 170420201
York Project (SDG) No.: 21L1050

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

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

Report Date: 01/04/2022
Client Project ID: 170420201
York Project (SDG) No.: 21L1050

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

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 December 17, 2021 and listed below. The project was identified as your project: **170420201**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L1050-01	EP03_0-2_121721	Soil	12/17/2021	12/17/2021
21L1050-02	EP11_0-2_121721	Soil	12/17/2021	12/17/2021
21L1050-03	EP15_0-2_121721	Soil	12/17/2021	12/17/2021
21L1050-04	EP03_3-5_121721	Soil	12/17/2021	12/17/2021
21L1050-05	EP11_4-6_121721	Soil	12/17/2021	12/17/2021
21L1050-06	EP15_7-9_121721	Soil	12/17/2021	12/17/2021

General Notes for York Project (SDG) No.: 21L1050

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

Approved By **Date:** 01/04/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **EP03_0-2_121721**

York Sample ID: **21L1050-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:05 am	12/17/2021

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	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	12/22/2021 09:46	12/23/2021 11:37	BMC
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP	12/22/2021 09:46	12/23/2021 11:37	BMC
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.045	0.089	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC
78-93-3	**2-Butanone**	**0.0051**		mg/kg dry	0.0022	0.0045	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	12/22/2021 09:46	12/23/2021 11:37	BMC

Sample Information

Client Sample ID: **EP03_0-2_121721** **York Sample ID:** **21L1050-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:05 am	12/17/2021

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	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.023**		mg/kg dry	0.0045	0.0089	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP03_0-2_121721** **York Sample ID:** **21L1050-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:05 am	12/17/2021

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	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0045	0.0089	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0022	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP03_0-2_121721** **York Sample ID:** **21L1050-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:05 am	12/17/2021

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	0.0045	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0067	0.013	1	EPA 8260C	12/22/2021 09:46	12/23/2021 11:37	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*105 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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**	**0.0649**	J	mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP03_0-2_121721** **York Sample ID:** **21L1050-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:05 am	12/17/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
91-57-6	**2-Methylnaphthalene**	**0.147**		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
83-32-9	**Acenaphthene**	**0.677**		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
208-96-8	**Acenaphthylene**	**0.395**		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
62-53-3	Aniline	ND		mg/kg dry	0.185	0.370	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH
120-12-7	**Anthracene**	**1.31**		mg/kg dry	0.0463	0.0923	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 20:38	KH

Sample Information

Client Sample ID: **EP03_0-2_121721** **York Sample ID:** **21L1050-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:05 am	12/17/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		mg/kg dry	0.185	0.370	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,PADEP		
56-55-3	**Benzo(a)anthracene**	**2.88**		mg/kg dry	0.231	0.462	10	EPA 8270D	12/29/2021 07:32	12/30/2021 10:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-32-8	**Benzo(a)pyrene**	**2.88**		mg/kg dry	0.231	0.462	10	EPA 8270D	12/29/2021 07:32	12/30/2021 10:21	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
205-99-2	**Benzo(b)fluoranthene**	**2.36**		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
191-24-2	**Benzo(g,h,i)perylene**	**1.65**		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
207-08-9	**Benzo(k)fluoranthene**	**2.05**		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65-85-0	Benzoic acid	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
85-68-7	**Benzyl butyl phthalate**	**0.362**		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.124**		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-60-2	Caprolactam	ND		mg/kg dry	0.0923	0.184	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
86-74-8	**Carbazole**	**0.319**		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
218-01-9	**Chrysene**	**2.94**		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53-70-3	**Dibenzo(a,h)anthracene**	**0.653**		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
132-64-9	**Dibenzofuran**	**0.440**		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP03_0-2_121721** **York Sample ID:** **21L1050-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:05 am	12/17/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**7.30**		mg/kg dry	0.231	0.462	10	EPA 8270D	12/29/2021 07:32	12/30/2021 10:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	**Fluorene**	**0.682**		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**1.77**		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
78-59-1	Isophorone	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.397**		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**6.95**		mg/kg dry	0.231	0.462	10	EPA 8270D	12/29/2021 07:32	12/30/2021 10:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0463	0.0923	2	EPA 8270D	12/29/2021 07:32	12/29/2021 20:38	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**6.68**		mg/kg dry	0.231	0.462	10	EPA 8270D	12/29/2021 07:32	12/30/2021 10:21	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*68.8 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*71.8 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*87.4 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*67.2 %*	*21-113*

Sample Information

Client Sample ID: **EP03_0-2_121721** **York Sample ID:** **21L1050-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:05 am	12/17/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*75.7 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*76.7 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.0	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 15:38	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*42.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL

Sample Information

Client Sample ID: **EP03_0-2_121721** **York Sample ID:** **21L1050-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:05 am	12/17/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.253	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:21	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*80.8 %*	*25-150*
Surrogate: M5PFHxA	*82.8 %*	*25-150*
Surrogate: M4PFHpA	*89.0 %*	*25-150*
Surrogate: M3PFHxS	*91.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*81.8 %*	*25-150*
Surrogate: M6PFDA	*77.5 %*	*25-150*
Surrogate: M7PFUdA	*73.1 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*60.9 %*	*25-150*
Surrogate: M2PFTeDA	*44.8 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*81.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*62.9 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*83.2 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*57.2 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*45.1 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*70.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*121 %*	*25-200*
Surrogate: M2-8:2 FTS	*100 %*	*25-200*
Surrogate: M9PFNA	*69.6 %*	*25-150*

Sample Information

Client Sample ID: **EP03_0-2_121721** **York Sample ID:** **21L1050-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:05 am	12/17/2021

Pesticides, 8081 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	12/28/2021 13:52	12/30/2021 13:55	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	12/28/2021 13:52	12/30/2021 13:55	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	12/28/2021 13:52	12/30/2021 13:55	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
72-20-8	Endrin	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	12/28/2021 13:52	12/30/2021 13:55	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
72-43-5	Methoxychlor	ND		mg/kg dry	0.00180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM
8001-35-2	Toxaphene	ND		mg/kg dry	0.180	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/28/2021 13:52	12/30/2021 13:55	CM

Sample Information

Client Sample ID: **EP03_0-2_121721** **York Sample ID:** **21L1050-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:05 am	12/17/2021

Pesticides, 8081 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

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*68.0 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*68.3 %*	*30-150*

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 22:47	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 22:47	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 22:47	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 22:47	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 22:47	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 22:47	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 22:47	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0181	1	EPA 8082A Certifications:	12/28/2021 13:52	12/29/2021 22:47	BJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*59.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*44.0 %*	*30-120*

Herbicides, 8151 Target List

Log-in Notes: **Sample Notes:** **HT-01R**

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0221	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2022 07:39	01/03/2022 19:19	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0221	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2022 07:39	01/03/2022 19:19	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0221	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2022 07:39	01/03/2022 19:19	BJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*72.0 %*	*21-150*

Sample Information

Client Sample ID: **EP03_0-2_121721** **York Sample ID:** **21L1050-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:05 am	12/17/2021

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**	**8000**	B	mg/kg dry	5.59	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.79	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**5.11**		mg/kg dry	1.68	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**155**		mg/kg dry	2.79	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.596**		mg/kg dry	0.335	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**17400**	B	mg/kg dry	5.59	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**21.0**		mg/kg dry	0.559	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**8.39**		mg/kg dry	0.447	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**101**		mg/kg dry	2.24	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**11700**		mg/kg dry	27.9	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**583**		mg/kg dry	0.559	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**2250**		mg/kg dry	5.59	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**298**		mg/kg dry	0.559	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**30.5**		mg/kg dry	1.12	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1030**		mg/kg dry	5.59	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.79	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.559	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**144**		mg/kg dry	55.9	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.79	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**28.5**		mg/kg dry	1.12	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP03_0-2_121721** **York Sample ID:** **21L1050-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:05 am	12/17/2021

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
7440-66-6	**Zinc**	**209**		mg/kg dry	2.79	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:33	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**1.30**		mg/kg dry	0.0335	1	EPA 7473	12/27/2021 10:01	12/27/2021 20:28	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	0.559	1	EPA 7196A	12/23/2021 13:54	12/23/2021 17:27	MAO
							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	12/27/2021 13:59	12/28/2021 16:26	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	0.559	1	EPA 9014/9010C	12/27/2021 13:36	12/29/2021 22:06	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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**	**89.5**		%	0.100	1	SM 2540G	12/28/2021 08:24	12/28/2021 15:40	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **EP11_0-2_121721** **York Sample ID:** **21L1050-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:10 am	12/17/2021

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	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.047	0.094	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP11_0-2_121721** **York Sample ID:** **21L1050-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:10 am	12/17/2021

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	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP11_0-2_121721** **York Sample ID:** **21L1050-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:10 am	12/17/2021

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	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.020**		mg/kg dry	0.0047	0.0094	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0047	0.0094	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0023	0.0047	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP11_0-2_121721** **York Sample ID:** **21L1050-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:10 am	12/17/2021

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	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:02	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*101 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*107 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP11_0-2_121721** **York Sample ID:** **21L1050-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:10 am	12/17/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
91-57-6	2-Methylnaphthalene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
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	12/29/2021 07:32	12/29/2021 21:08	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
83-32-9	Acenaphthene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
208-96-8	**Acenaphthylene**	**0.180**		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
62-53-3	Aniline	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
120-12-7	**Anthracene**	**0.0919**		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH

Sample Information

Client Sample ID: **EP11_0-2_121721** **York Sample ID:** **21L1050-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:10 am	12/17/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
92-87-5	Benzidine	ND		mg/kg dry	0.176	0.352	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
56-55-3	**Benzo(a)anthracene**	**0.160**		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
50-32-8	**Benzo(a)pyrene**	**0.239**		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
205-99-2	**Benzo(b)fluoranthene**	**0.131**		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.177**		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
207-08-9	**Benzo(k)fluoranthene**	**0.133**		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
85-68-7	Benzyl butyl phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0878	0.175	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
86-74-8	Carbazole	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
218-01-9	**Chrysene**	**0.157**		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.0470**	J	mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:08	KH

Sample Information

Client Sample ID: **EP11_0-2_121721** **York Sample ID:** **21L1050-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:10 am	12/17/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
206-44-0	**Fluoranthene**	**0.211**		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-73-7	Fluorene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: NELAC-NY10854,NJDEP,PADEP			
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.175**		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
78-59-1	Isophorone	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
91-20-3	**Naphthalene**	**0.0625**	J	mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
85-01-8	**Phenanthrene**	**0.131**		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
108-95-2	Phenol	ND		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
129-00-0	**Pyrene**	**0.310**		mg/kg dry	0.0440	0.0878	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:08	KH
								Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*80.6 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*78.3 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*99.7 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*77.0 %*	*21-113*

Sample Information

Client Sample ID: **EP11_0-2_121721** **York Sample ID:** **21L1050-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:10 am	12/17/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*99.8 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*83.3 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.2	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 15:55	KH

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*34.0 %*	S-04	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL

Sample Information

Client Sample ID: **EP11_0-2_121721** **York Sample ID:** **21L1050-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:10 am	12/17/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.229	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:46	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*85.4 %*	*25-150*
Surrogate: M5PFHxA	*86.6 %*	*25-150*
Surrogate: M4PFHpA	*92.9 %*	*25-150*
Surrogate: M3PFHxS	*76.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*99.7 %*	*25-150*
Surrogate: M6PFDA	*71.7 %*	*25-150*
Surrogate: M7PFUdA	*64.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*70.0 %*	*25-150*
Surrogate: M2PFTeDA	*47.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*85.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*62.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*88.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*60.3 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*59.9 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*51.7 %*	*25-150*
Surrogate: M2-6:2 FTS	*128 %*	*25-200*
Surrogate: M2-8:2 FTS	*99.6 %*	*25-200*
Surrogate: M9PFNA	*81.2 %*	*25-150*

Sample Information

Client Sample ID: **EP11_0-2_121721** **York Sample ID:** **21L1050-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:10 am	12/17/2021

Pesticides, 8081 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	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.170	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:12	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: EP11_0-2_121721 **York Sample ID:** 21L1050-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:10 am	12/17/2021

Pesticides, 8081 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

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*74.6 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*76.3 %*	*30-150*

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 23:02	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 23:02	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 23:02	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 23:02	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 23:02	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 23:02	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 23:02	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0171	1	EPA 8082A Certifications:	12/28/2021 13:52	12/29/2021 23:02	BJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*71.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*52.0 %*	*30-120*

Herbicides, 8151 Target List

Log-in Notes: **Sample Notes:** HT-01R

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0211	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2022 07:39	01/03/2022 19:31	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0211	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2022 07:39	01/03/2022 19:31	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0211	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	01/03/2022 07:39	01/03/2022 19:31	BJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*72.4 %*	*21-150*

Sample Information

Client Sample ID: **EP11_0-2_121721** **York Sample ID:** **21L1050-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:10 am	12/17/2021

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**	**5390**	B	mg/kg dry	5.30	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.65	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**8.59**		mg/kg dry	1.59	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**40.4**		mg/kg dry	2.65	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.545**		mg/kg dry	0.318	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**184000**	B	mg/kg dry	5.30	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**7.70**		mg/kg dry	0.530	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**3.95**		mg/kg dry	0.424	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**11.0**		mg/kg dry	2.12	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**3500**		mg/kg dry	26.5	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**13.3**		mg/kg dry	0.530	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**15500**		mg/kg dry	5.30	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**248**		mg/kg dry	0.530	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**7.66**		mg/kg dry	1.06	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**643**		mg/kg dry	5.30	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	**Selenium**	**16.9**		mg/kg dry	2.65	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	**Silver**	**1.86**		mg/kg dry	0.530	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**211**		mg/kg dry	53.0	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.65	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**20.4**		mg/kg dry	1.06	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP11_0-2_121721** **York Sample ID:** **21L1050-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:10 am	12/17/2021

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
7440-66-6	**Zinc**	**36.3**		mg/kg dry	2.65	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:35	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.0830**		mg/kg dry	0.0318	1	EPA 7473	12/27/2021 10:01	12/27/2021 20:40	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	0.530	1	EPA 7196A	12/23/2021 13:54	12/23/2021 17:27	MAO
							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**	**7.70**		mg/kg	0.500	1	Calculation	12/27/2021 13:59	12/28/2021 16:26	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	0.530	1	EPA 9014/9010C	12/27/2021 13:36	12/29/2021 22:06	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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**	**94.4**		%	0.100	1	SM 2540G	12/28/2021 08:24	12/28/2021 15:40	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **EP15_0-2_121721** **York Sample ID:** **21L1050-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:50 am	12/17/2021

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	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-00-5	1,1,2-Trichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.054	0.11	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP15_0-2_121721** **York Sample ID:** **21L1050-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:50 am	12/17/2021

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	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**0.0067**	J	mg/kg dry	0.0054	0.011	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP15_0-2_121721** **York Sample ID:** **21L1050-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:50 am	12/17/2021

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	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**0.0084**	J	mg/kg dry	0.0054	0.011	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0054	0.011	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		mg/kg dry	0.0027	0.0054	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP15_0-2_121721** **York Sample ID:** **21L1050-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:50 am	12/17/2021

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	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0080	0.016	1	EPA 8260C	12/22/2021 09:46	12/23/2021 12:28	BMC
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.7 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*76-130*

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

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	0.0435	0.0868	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		mg/kg dry	0.0868	0.173	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:38	KH
								Certifications:	NELAC-NY10854,PADEP		
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:38	KH
								Certifications:	NELAC-NY10854,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:38	KH
								Certifications:	NELAC-NY10854,PADEP		
58-90-2	2,3,4,6-Tetrachlorophenol	ND		mg/kg dry	0.0868	0.173	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:38	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
95-95-4	2,4,5-Trichlorophenol	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-06-2	2,4,6-Trichlorophenol	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
120-83-2	2,4-Dichlorophenol	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
105-67-9	2,4-Dimethylphenol	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
51-28-5	2,4-Dinitrophenol	ND		mg/kg dry	0.0868	0.173	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
121-14-2	2,4-Dinitrotoluene	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D	12/29/2021 07:32	12/29/2021 21:38	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP15_0-2_121721** **York Sample ID:** **21L1050-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:50 am	12/17/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
606-20-2	2,6-Dinitrotoluene	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
91-58-7	2-Chloronaphthalene	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
95-57-8	2-Chlorophenol	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
91-57-6	**2-Methylnaphthalene**	**0.0735**	J	mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
88-74-4	2-Nitroaniline	ND		mg/kg dry	0.0868	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
88-75-5	2-Nitrophenol	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
91-94-1	3,3-Dichlorobenzidine	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
99-09-2	3-Nitroaniline	ND		mg/kg dry	0.0868	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		mg/kg dry	0.0868	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
101-55-3	4-Bromophenyl phenyl ether	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
59-50-7	4-Chloro-3-methylphenol	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
106-47-8	4-Chloroaniline	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
100-01-6	4-Nitroaniline	ND		mg/kg dry	0.0868	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
100-02-7	4-Nitrophenol	ND		mg/kg dry	0.0868	0.173	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
83-32-9	**Acenaphthene**	**0.0915**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
208-96-8	**Acenaphthylene**	**0.250**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
98-86-2	Acetophenone	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
62-53-3	Aniline	ND		mg/kg dry	0.174	0.347	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
120-12-7	**Anthracene**	**0.244**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH

Sample Information

Client Sample ID: **EP15_0-2_121721** **York Sample ID:** **21L1050-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:50 am	12/17/2021

Semivolatiles, 8270 Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1912-24-9	Atrazine	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
100-52-7	Benzaldehyde	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
92-87-5	Benzidine	ND		mg/kg dry	0.174	0.347	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
56-55-3	**Benzo(a)anthracene**	**0.748**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
50-32-8	**Benzo(a)pyrene**	**0.810**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
205-99-2	**Benzo(b)fluoranthene**	**0.606**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
191-24-2	**Benzo(g,h,i)perylene**	**0.518**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
207-08-9	**Benzo(k)fluoranthene**	**0.609**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
65-85-0	Benzoic acid	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
100-51-6	Benzyl alcohol	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
85-68-7	**Benzyl butyl phthalate**	**2.36**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
111-44-4	Bis(2-chloroethyl)ether	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.284**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
105-60-2	Caprolactam	ND		mg/kg dry	0.0868	0.173	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
86-74-8	**Carbazole**	**0.0818**	J	mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
218-01-9	**Chrysene**	**0.768**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
53-70-3	**Dibenzo(a,h)anthracene**	**0.156**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
132-64-9	**Dibenzofuran**	**0.0562**	J	mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
84-66-2	Diethyl phthalate	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
131-11-3	Dimethyl phthalate	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH

Sample Information

Client Sample ID: **EP15_0-2_121721** **York Sample ID:** **21L1050-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:50 am	12/17/2021

Semivolatiles, 8270 Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
84-74-2	Di-n-butyl phthalate	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
117-84-0	Di-n-octyl phthalate	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
206-44-0	**Fluoranthene**	**1.46**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
86-73-7	**Fluorene**	**0.158**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
87-68-3	Hexachlorobutadiene	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
77-47-4	Hexachlorocyclopentadiene	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
67-72-1	Hexachloroethane	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**0.567**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
78-59-1	Isophorone	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
91-20-3	**Naphthalene**	**0.141**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
98-95-3	Nitrobenzene	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
62-75-9	N-Nitrosodimethylamine	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
621-64-7	N-nitroso-di-n-propylamine	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
86-30-6	N-Nitrosodiphenylamine	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
85-01-8	**Phenanthrene**	**1.04**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
108-95-2	Phenol	ND		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH
129-00-0	**Pyrene**	**1.63**		mg/kg dry	0.0435	0.0868	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:32	12/29/2021 21:38	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*80.7 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*81.1 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*108 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*81.8 %*	*21-113*

Sample Information

Client Sample ID: **EP15_0-2_121721** **York Sample ID:** **21L1050-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:50 am	12/17/2021

Semivolatiles, 8270 Comprehensive

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

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*90.3 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*89.2 %*			*24-116*						

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	18.3	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 16:12	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*40.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**0.255**		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL

Sample Information

Client Sample ID: **EP15_0-2_121721** **York Sample ID:** **21L1050-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:50 am	12/17/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.232	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 16:58	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*74.4 %*	*25-150*
Surrogate: M5PFHxA	*84.8 %*	*25-150*
Surrogate: M4PFHpA	*80.9 %*	*25-150*
Surrogate: M3PFHxS	*76.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*75.8 %*	*25-150*
Surrogate: M6PFDA	*62.7 %*	*25-150*
Surrogate: M7PFUdA	*59.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*56.1 %*	*25-150*
Surrogate: M2PFTeDA	*42.3 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*75.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*54.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*81.4 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*51.4 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*51.4 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*41.4 %*	*25-150*
Surrogate: M2-6:2 FTS	*125 %*	*25-200*
Surrogate: M2-8:2 FTS	*73.4 %*	*25-200*
Surrogate: M9PFNA	*70.2 %*	*25-150*

Sample Information

Client Sample ID: **EP15_0-2_121721** **York Sample ID:** **21L1050-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:50 am	12/17/2021

Pesticides, 8081 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	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
309-00-2	Aldrin	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-84-6	alpha-BHC	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	NELAC-NY10854,NJDEP		
319-85-7	beta-BHC	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
319-86-8	delta-BHC	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
60-57-1	Dieldrin	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
959-98-8	Endosulfan I	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854		
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-20-8	Endrin	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7421-93-4	Endrin aldehyde	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
53494-70-5	Endrin ketone	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
5566-34-7	gamma-Chlordane	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	NELAC-NY10854,NJDEP		
76-44-8	Heptachlor	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1024-57-3	Heptachlor epoxide	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
72-43-5	Methoxychlor	ND		mg/kg dry	0.00171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
8001-35-2	Toxaphene	ND		mg/kg dry	0.171	5	EPA 8081B	12/28/2021 13:52	12/30/2021 14:46	CM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP15_0-2_121721** **York Sample ID:** **21L1050-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:50 am	12/17/2021

Pesticides, 8081 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

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*77.8 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*78.8 %*	*30-150*

Polychlorinated Biphenyls, 8082 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
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 23:17	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 23:17	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 23:17	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 23:17	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 23:17	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 23:17	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	12/28/2021 13:52	12/29/2021 23:17	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0173	1	EPA 8082A Certifications:	12/28/2021 13:52	12/29/2021 23:17	BJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*68.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*53.5 %*	*30-120*

Herbicides, 8151 Target List

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

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-76-5	2,4,5-T	ND		mg/kg dry	0.0210	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:29	12/29/2021 17:55	BJ
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0210	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:29	12/29/2021 17:55	BJ
94-75-7	2,4-D	ND		mg/kg dry	0.0210	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	12/29/2021 07:29	12/29/2021 17:55	BJ

	Surrogate Recoveries	Result	Acceptance Range
19719-28-9	*Surrogate: 2,4-Dichlorophenylacetic acid (.*	*88.2 %*	*21-150*

Sample Information

Client Sample ID: **EP15_0-2_121721** **York Sample ID:** **21L1050-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:50 am	12/17/2021

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**	**9460**	B	mg/kg dry	5.27	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/kg dry	2.64	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**19.8**		mg/kg dry	1.58	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**202**		mg/kg dry	2.64	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	**Beryllium**	**0.416**		mg/kg dry	0.053	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.526**		mg/kg dry	0.316	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**118000**	B	mg/kg dry	5.27	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**14.2**		mg/kg dry	0.527	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**7.69**		mg/kg dry	0.422	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**27.2**		mg/kg dry	2.11	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**12700**		mg/kg dry	26.4	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**68.4**		mg/kg dry	0.527	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3850**		mg/kg dry	5.27	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**181**		mg/kg dry	0.527	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**24.0**		mg/kg dry	1.05	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**1440**		mg/kg dry	5.27	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.64	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.527	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-23-5	**Sodium**	**138**		mg/kg dry	52.7	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-28-0	Thallium	ND		mg/kg dry	2.64	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-62-2	**Vanadium**	**20.4**		mg/kg dry	1.05	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: **EP15_0-2_121721** **York Sample ID:** **21L1050-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:50 am	12/17/2021

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
7440-66-6	**Zinc**	**71.8**		mg/kg dry	2.64	1	EPA 6010D	12/22/2021 14:47	12/27/2021 22:38	RTH
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.274**		mg/kg dry	0.0316	1	EPA 7473	12/27/2021 10:01	12/27/2021 20:49	KT
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		

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	12/23/2021 13:54	12/23/2021 17:27	MAO
							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**	**14.2**		mg/kg	0.500	1	Calculation	12/27/2021 13:59	12/28/2021 16:26	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	0.527	1	EPA 9014/9010C	12/27/2021 13:36	12/29/2021 22:06	MAO
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,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**	**94.9**		%	0.100	1	SM 2540G	12/28/2021 08:24	12/28/2021 15:40	TJA
							Certifications:	CTDOH		

Sample Information

Client Sample ID: **EP03_3-5_121721** **York Sample ID:** **21L1050-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:15 am	12/17/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.6	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 16:29	KH

	Surrogate Recoveries	Result		Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*24.0 %*	S-04	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL

Sample Information

Client Sample ID: **EP03_3-5_121721** **York Sample ID:** **21L1050-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 8:15 am	12/17/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.260	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:10	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*80.5 %*	*25-150*
Surrogate: M5PFHxA	*78.6 %*	*25-150*
Surrogate: M4PFHpA	*91.4 %*	*25-150*
Surrogate: M3PFHxS	*87.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*81.5 %*	*25-150*
Surrogate: M6PFDA	*83.8 %*	*25-150*
Surrogate: M7PFUdA	*70.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*70.4 %*	*25-150*
Surrogate: M2PFTeDA	*47.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*80.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*68.5 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*80.0 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*62.1 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*36.8 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*47.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*115 %*	*25-200*
Surrogate: M2-8:2 FTS	*111 %*	*25-200*
Surrogate: M9PFNA	*75.3 %*	*25-150*

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 Certifications: CTDOH	12/28/2021 08:24	12/28/2021 15:40	TJA

Sample Information

Client Sample ID: **EP11_4-6_121721** **York Sample ID:** **21L1050-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:16 am	12/17/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 16:46	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*42.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL

Sample Information

Client Sample ID: **EP11_4-6_121721** **York Sample ID:** **21L1050-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 9:16 am	12/17/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ug/kg dry	0.235	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:22	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*78.2 %*	*25-150*
Surrogate: M5PFHxA	*74.6 %*	*25-150*
Surrogate: M4PFHpA	*78.8 %*	*25-150*
Surrogate: M3PFHxS	*70.8 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*87.4 %*	*25-150*
Surrogate: M6PFDA	*75.2 %*	*25-150*
Surrogate: M7PFUdA	*55.6 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*59.2 %*	*25-150*
Surrogate: M2PFTeDA	*40.9 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*75.6 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*61.3 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*75.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*51.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*52.5 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*52.0 %*	*25-150*
Surrogate: M2-6:2 FTS	*116 %*	*25-200*
Surrogate: M2-8:2 FTS	*91.8 %*	*25-200*
Surrogate: M9PFNA	*58.6 %*	*25-150*

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**	**92.5**		%	0.100	1	SM 2540G Certifications: CTDOH	12/28/2021 08:24	12/28/2021 15:40	TJA

Sample Information

Client Sample ID: **EP15_7-9_121721** **York Sample ID:** **21L1050-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 10:00 am	12/17/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Soil

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
123-91-1	1,4-Dioxane	ND		ug/kg	19.4	1	EPA 8270D SIM Certifications: NELAC-NY10854	12/29/2021 12:59	12/30/2021 17:03	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*56.0 %*	*39-127.5*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
2355-31-9	* N-MeFOSAA	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
2991-50-6	* N-EtFOSAA	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL

Sample Information

Client Sample ID: **EP15_7-9_121721** **York Sample ID:** **21L1050-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1050	170420201	Soil	December 17, 2021 10:00 am	12/17/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE PFAS Extraction-Soil-EPA 537m

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**0.284**		ug/kg dry	0.251	1	EPA 537m Certifications:	12/23/2021 16:45	12/30/2021 17:35	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*74.3 %*	*25-150*
Surrogate: M5PFHxA	*78.3 %*	*25-150*
Surrogate: M4PFHpA	*77.3 %*	*25-150*
Surrogate: M3PFHxS	*86.1 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*93.4 %*	*25-150*
Surrogate: M6PFDA	*73.0 %*	*25-150*
Surrogate: M7PFUdA	*67.3 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*61.5 %*	*25-150*
Surrogate: M2PFTeDA	*45.6 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*70.9 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*69.4 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*79.3 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*45.8 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*74.6 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*81.2 %*	*25-150*
Surrogate: M2-6:2 FTS	*165 %*	*25-200*
Surrogate: M2-8:2 FTS	*208 %*	*25-200*
Surrogate: M9PFNA	*76.8 %*	*25-150*

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**	**84.3**		%	0.100	1	SM 2540G Certifications: CTDOH	12/28/2021 08:24	12/28/2021 15:40	TJA

Analytical Batch Summary

Batch ID: BA21132 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21L1050-01	EP03_0-2_121721	01/03/22
21L1050-02	EP11_0-2_121721	01/03/22
BA21132-BLK1	Blank	01/03/22
BA21132-BS1	LCS	01/03/22
BA21132-MS1	Matrix Spike	01/03/22
BA21132-MSD1	Matrix Spike Dup	01/03/22

Batch ID: BL12672 **Preparation Method:** EPA 3050B **Prepared By:** K T

YORK Sample ID	Client Sample ID	Preparation Date
21L1050-01	EP03_0-2_121721	12/22/21
21L1050-02	EP11_0-2_121721	12/22/21
21L1050-03	EP15_0-2_121721	12/22/21
BL12672-BLK1	Blank	12/22/21
BL12672-DUP1	Duplicate	12/22/21
BL12672-MS1	Matrix Spike	12/22/21
BL12672-PS1	Post Spike	12/22/21
BL12672-SRM1	Reference	12/22/21

Batch ID: BL12733 **Preparation Method:** EPA 5035A **Prepared By:** BMC

YORK Sample ID	Client Sample ID	Preparation Date
21L1050-01	EP03_0-2_121721	12/22/21
21L1050-02	EP11_0-2_121721	12/22/21
21L1050-03	EP15_0-2_121721	12/22/21
BL12733-BLK1	Blank	12/22/21
BL12733-BLK2	Blank	12/22/21
BL12733-BLK3	Blank	12/22/21
BL12733-BLK4	Blank	12/22/21
BL12733-BLK5	Blank	12/22/21
BL12733-BS1	LCS	12/22/21
BL12733-BSD1	LCS Dup	12/22/21

Batch ID: BL12753 **Preparation Method:** EPA SW846-3060 **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21L1050-01	EP03_0-2_121721	12/23/21
21L1050-02	EP11_0-2_121721	12/23/21
21L1050-03	EP15_0-2_121721	12/23/21
BL12753-BLK1	Blank	12/23/21
BL12753-DUP1	Duplicate	12/23/21
BL12753-MS1	Matrix Spike	12/23/21
BL12753-SRM1	Reference	12/23/21

Batch ID: BL12767 **Preparation Method:** SPE PFAS Extraction-Soil-EPA 537m **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
21L1050-01	EP03_0-2_121721	12/23/21
21L1050-02	EP11_0-2_121721	12/23/21
21L1050-03	EP15_0-2_121721	12/23/21
21L1050-04	EP03_3-5_121721	12/23/21
21L1050-05	EP11_4-6_121721	12/23/21
21L1050-06	EP15_7-9_121721	12/23/21
BL12767-BLK1	Blank	12/23/21
BL12767-BS1	LCS	12/23/21
BL12767-MS1	Matrix Spike	12/23/21
BL12767-MSD1	Matrix Spike Dup	12/23/21

Batch ID: BL12791 **Preparation Method:** EPA 7473 soil **Prepared By:** RTH

YORK Sample ID	Client Sample ID	Preparation Date
21L1050-01	EP03_0-2_121721	12/27/21
21L1050-02	EP11_0-2_121721	12/27/21
21L1050-03	EP15_0-2_121721	12/27/21
BL12791-BLK1	Blank	12/27/21
BL12791-DUP1	Duplicate	12/27/21
BL12791-MS1	Matrix Spike	12/27/21
BL12791-SRM1	Reference	12/27/21

Batch ID: BL12819 **Preparation Method:** Analysis Preparation Soil **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21L1050-01	EP03_0-2_121721	12/27/21
21L1050-02	EP11_0-2_121721	12/27/21
21L1050-03	EP15_0-2_121721	12/27/21
BL12819-BLK1	Blank	12/27/21
BL12819-DUP1	Duplicate	12/27/21
BL12819-MS1	Matrix Spike	12/27/21
BL12819-SRM1	Reference	12/27/21

Batch ID: BL12828 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21L1050-01	EP03_0-2_121721	12/27/21
21L1050-02	EP11_0-2_121721	12/27/21
21L1050-03	EP15_0-2_121721	12/27/21

Batch ID: BL12876 **Preparation Method:** % Solids Prep **Prepared By:** TJA

YORK Sample ID	Client Sample ID	Preparation Date
21L1050-01	EP03_0-2_121721	12/28/21

21L1050-02	EP11_0-2_121721	12/28/21
21L1050-03	EP15_0-2_121721	12/28/21
21L1050-04	EP03_3-5_121721	12/28/21
21L1050-05	EP11_4-6_121721	12/28/21
21L1050-06	EP15_7-9_121721	12/28/21
BL12876-DUP1	Duplicate	12/28/21

Batch ID: BL12914 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
21L1050-01	EP03_0-2_121721	12/28/21
21L1050-01	EP03_0-2_121721	12/28/21
21L1050-02	EP11_0-2_121721	12/28/21
21L1050-02	EP11_0-2_121721	12/28/21
21L1050-03	EP15_0-2_121721	12/28/21
21L1050-03	EP15_0-2_121721	12/28/21
BL12914-BLK1	Blank	12/28/21
BL12914-BLK2	Blank	12/28/21
BL12914-BS1	LCS	12/28/21
BL12914-BS2	LCS	12/28/21
BL12914-MS2	Matrix Spike	12/28/21
BL12914-MSD2	Matrix Spike Dup	12/28/21

Batch ID: BL12955 **Preparation Method:** EPA 3550C/8151A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21L1050-03	EP15_0-2_121721	12/29/21
BL12955-BLK1	Blank	12/29/21
BL12955-BS1	LCS	12/29/21
BL12955-MS1	Matrix Spike	12/29/21
BL12955-MSD1	Matrix Spike Dup	12/29/21

Batch ID: BL12957 **Preparation Method:** EPA 3546 SVOA **Prepared By:** GXB

YORK Sample ID	Client Sample ID	Preparation Date
21L1050-01	EP03_0-2_121721	12/29/21
21L1050-01RE1	EP03_0-2_121721	12/29/21
21L1050-02	EP11_0-2_121721	12/29/21
21L1050-03	EP15_0-2_121721	12/29/21
BL12957-BLK1	Blank	12/29/21
BL12957-BS1	LCS	12/29/21
BL12957-MS1	Matrix Spike	12/29/21
BL12957-MSD1	Matrix Spike Dup	12/29/21

Batch ID: BL12997 **Preparation Method:** EPA 3550C **Prepared By:** JM

YORK Sample ID	Client Sample ID	Preparation Date
21L1050-01	EP03_0-2_121721	12/29/21
21L1050-02	EP11_0-2_121721	12/29/21

21L1050-03	EP15_0-2_121721	12/29/21
21L1050-04	EP03_3-5_121721	12/29/21
21L1050-05	EP11_4-6_121721	12/29/21
21L1050-06	EP15_7-9_121721	12/29/21
BL12997-BLK1	Blank	12/29/21
BL12997-BS1	LCS	12/29/21
BL12997-MS1	Matrix Spike	12/29/21
BL12997-MSD1	Matrix Spike Dup	12/29/21

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 BL12733 - EPA 5035A											
Blank (BL12733-BLK1) Blank											Prepared: 12/22/2021 Analyzed: 12/23/2021
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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12733 - EPA 5035A											
Blank (BL12733-BLK1) Blank									Prepared: 12/22/2021 Analyzed: 12/23/2021		
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	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.7*		*ug/L*	*50.0*		*99.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.5*		*"*	*50.0*		*109*	*76-130*				
Blank (BL12733-BLK2) Blank									Prepared: 12/22/2021 Analyzed: 12/23/2021		
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 Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12733 - EPA 5035A											
Blank (BL12733-BLK2) Blank									Prepared: 12/22/2021 Analyzed: 12/23/2021		
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: SURR: 1,2-Dichloroethane-d4	*50.6*		*ug/L*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*99.9*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.1*		*"*	*50.0*		*108*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12733 - EPA 5035A

Blank (BL12733-BLK3) HB-21L0984 — Prepared: 12/22/2021 Analyzed: 12/23/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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
Batch BL12733 - EPA 5035A											
Blank (BL12733-BLK3) HB-21L0984								Prepared: 12/22/2021 Analyzed: 12/23/2021			
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	*49.6*		*ug/L*	*50.0*		*99.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.3*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.4*		*"*	*50.0*		*109*	*76-130*				
Blank (BL12733-BLK4) HB-21L1050								Prepared: 12/22/2021 Analyzed: 12/23/2021			
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	"								

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 BL12733 - EPA 5035A											
Blank (BL12733-BLK4) HB-21L1050									Prepared: 12/22/2021 Analyzed: 12/23/2021		
Bromomethane	ND	0.0050	mg/kg wet								
Carbon disulfide	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroethane	ND	0.0050	"								
Chloroform	ND	0.0050	"								
Chloromethane	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
cis-1,3-Dichloropropylene	ND	0.0050	"								
Cyclohexane	ND	0.0050	"								
Dibromochloromethane	ND	0.0050	"								
Dibromomethane	ND	0.0050	"								
Dichlorodifluoromethane	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Hexachlorobutadiene	ND	0.0050	"								
Isopropylbenzene	ND	0.0050	"								
Methyl acetate	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylcyclohexane	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
p-Isopropyltoluene	ND	0.0050	"								
sec-Butylbenzene	ND	0.0050	"								
Styrene	ND	0.0050	"								
tert-Butyl alcohol (TBA)	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
trans-1,3-Dichloropropylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Trichlorofluoromethane	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.0*		*ug/L*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.1*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*55.1*		*"*	*50.0*		*110*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12733 - EPA 5035A											
Blank (BL12733-BLK5) HB-21L1039									Prepared: 12/22/2021 Analyzed: 12/23/2021		
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
Batch BL12733 - EPA 5035A											
Blank (BL12733-BLK5) HB-21L1039								Prepared: 12/22/2021 Analyzed: 12/23/2021			
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	*49.8*		*ug/L*	*50.0*		*99.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.3*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*55.1*		*"*	*50.0*		*110*	*76-130*				
LCS (BL12733-BS1) LCS								Prepared: 12/22/2021 Analyzed: 12/23/2021			
1,1,1,2-Tetrachloroethane	54.9		ug/L	50.0		110	75-129				
1,1,1-Trichloroethane	50.3		"	50.0		101	71-137				
1,1,2,2-Tetrachloroethane	53.3		"	50.0		107	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	43.4		"	50.0		86.8	58-146				
1,1,2-Trichloroethane	51.2		"	50.0		102	83-123				
1,1-Dichloroethane	48.1		"	50.0		96.1	75-130				
1,1-Dichloroethylene	41.9		"	50.0		83.9	64-137				
1,2,3-Trichlorobenzene	52.1		"	50.0		104	81-140				
1,2,3-Trichloropropane	53.3		"	50.0		107	81-126				
1,2,4-Trichlorobenzene	51.2		"	50.0		102	80-141				
1,2,4-Trimethylbenzene	53.5		"	50.0		107	84-125				
1,2-Dibromo-3-chloropropane	54.7		"	50.0		109	74-142				
1,2-Dibromoethane	52.8		"	50.0		106	86-123				
1,2-Dichlorobenzene	53.4		"	50.0		107	85-122				
1,2-Dichloroethane	50.2		"	50.0		100	71-133				
1,2-Dichloropropane	52.3		"	50.0		105	81-122				
1,3,5-Trimethylbenzene	53.0		"	50.0		106	82-126				
1,3-Dichlorobenzene	52.3		"	50.0		105	84-124				
1,4-Dichlorobenzene	52.7		"	50.0		105	84-124				
1,4-Dioxane	979		"	1050		93.2	10-228				
2-Butanone	48.6		"	50.0		97.3	58-147				
2-Hexanone	52.2		"	50.0		104	70-139				
4-Methyl-2-pentanone	42.5		"	50.0		85.0	72-132				
Acetone	36.1		"	50.0		72.2	36-155				
Acrolein	54.6		"	50.0		109	10-238				
Acrylonitrile	49.8		"	50.0		99.6	66-141				
Benzene	49.4		"	50.0		98.8	77-127				
Bromochloromethane	48.6		"	50.0		97.2	74-129				
Bromodichloromethane	52.7		"	50.0		105	81-124				
Bromoform	50.7		"	50.0		101	80-136				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12733 - EPA 5035A											
LCS (BL12733-BS1) LCS							Prepared: 12/22/2021 Analyzed: 12/23/2021				
Bromomethane	37.8		ug/L	50.0		75.7	32-177				
Carbon disulfide	42.4		"	50.0		84.8	10-136				
Carbon tetrachloride	47.5		"	50.0		95.1	66-143				
Chlorobenzene	54.7		"	50.0		109	86-120				
Chloroethane	37.0		"	50.0		74.1	51-142				
Chloroform	51.7		"	50.0		103	76-131				
Chloromethane	26.8		"	50.0		53.5	49-132				
cis-1,2-Dichloroethylene	48.3		"	50.0		96.7	74-132				
cis-1,3-Dichloropropylene	52.7		"	50.0		105	81-129				
Cyclohexane	42.1		"	50.0		84.1	70-130				
Dibromochloromethane	53.9		"	50.0		108	10-200				
Dibromomethane	50.2		"	50.0		100	83-124				
Dichlorodifluoromethane	12.7		"	50.0		25.4	28-158	Low Bias			
Ethyl Benzene	52.3		"	50.0		105	84-125				
Hexachlorobutadiene	52.2		"	50.0		104	83-133				
Isopropylbenzene	54.8		"	50.0		110	81-127				
Methyl acetate	42.1		"	50.0		84.3	41-143				
Methyl tert-butyl ether (MTBE)	50.7		"	50.0		101	74-131				
Methylcyclohexane	43.0		"	50.0		85.9	70-130				
Methylene chloride	47.3		"	50.0		94.6	57-141				
n-Butylbenzene	52.1		"	50.0		104	80-130				
n-Propylbenzene	52.3		"	50.0		105	74-136				
o-Xylene	53.9		"	50.0		108	83-123				
p- & m- Xylenes	105		"	100		105	82-128				
p-Isopropyltoluene	53.5		"	50.0		107	85-125				
sec-Butylbenzene	53.1		"	50.0		106	83-125				
Styrene	51.0		"	50.0		102	86-126				
tert-Butyl alcohol (TBA)	336		"	250		134	70-130	High Bias			
tert-Butylbenzene	48.0		"	50.0		96.1	80-127				
Tetrachloroethylene	43.5		"	50.0		87.0	80-129				
Toluene	50.6		"	50.0		101	85-121				
trans-1,2-Dichloroethylene	47.0		"	50.0		94.1	72-132				
trans-1,3-Dichloropropylene	48.6		"	50.0		97.1	78-132				
Trichloroethylene	49.9		"	50.0		99.7	84-123				
Trichlorofluoromethane	35.6		"	50.0		71.2	62-140				
Vinyl Chloride	28.9		"	50.0		57.7	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.1*		*"*	*50.0*		*98.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.7*		*"*	*50.0*		*99.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.2*		*"*	*50.0*		*100*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12733 - EPA 5035A

LCS Dup (BL12733-BSD1) LCS Dup — Prepared: 12/22/2021 Analyzed: 12/23/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	51.5		ug/L	50.0		103	75-129		6.43	30	
1,1,1-Trichloroethane	47.6		"	50.0		95.3	71-137		5.47	30	
1,1,2,2-Tetrachloroethane	52.3		"	50.0		105	79-129		1.93	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	40.0		"	50.0		80.0	58-146		8.17	30	
1,1,2-Trichloroethane	49.6		"	50.0		99.1	83-123		3.37	30	
1,1-Dichloroethane	45.5		"	50.0		91.0	75-130		5.45	30	
1,1-Dichloroethylene	39.9		"	50.0		79.9	64-137		4.86	30	
1,2,3-Trichlorobenzene	50.5		"	50.0		101	81-140		3.18	30	
1,2,3-Trichloropropane	51.8		"	50.0		104	81-126		2.87	30	
1,2,4-Trichlorobenzene	48.8		"	50.0		97.6	80-141		4.68	30	
1,2,4-Trimethylbenzene	51.1		"	50.0		102	84-125		4.55	30	
1,2-Dibromo-3-chloropropane	52.3		"	50.0		105	74-142		4.43	30	
1,2-Dibromoethane	50.9		"	50.0		102	86-123		3.69	30	
1,2-Dichlorobenzene	51.5		"	50.0		103	85-122		3.66	30	
1,2-Dichloroethane	47.6		"	50.0		95.2	71-133		5.44	30	
1,2-Dichloropropane	49.9		"	50.0		99.8	81-122		4.75	30	
1,3,5-Trimethylbenzene	51.2		"	50.0		102	82-126		3.46	30	
1,3-Dichlorobenzene	50.2		"	50.0		100	84-124		4.22	30	
1,4-Dichlorobenzene	50.0		"	50.0		99.9	84-124		5.30	30	
1,4-Dioxane	932		"	1050		88.8	10-228		4.85	30	
2-Butanone	48.2		"	50.0		96.4	58-147		0.929	30	
2-Hexanone	49.8		"	50.0		99.7	70-139		4.66	30	
4-Methyl-2-pentanone	40.1		"	50.0		80.3	72-132		5.74	30	
Acetone	34.3		"	50.0		68.5	36-155		5.29	30	
Acrolein	51.9		"	50.0		104	10-238		4.94	30	
Acrylonitrile	47.3		"	50.0		94.5	66-141		5.17	30	
Benzene	46.8		"	50.0		93.6	77-127		5.34	30	
Bromochloromethane	47.0		"	50.0		94.1	74-129		3.24	30	
Bromodichloromethane	50.1		"	50.0		100	81-124		5.14	30	
Bromoform	48.5		"	50.0		97.0	80-136		4.49	30	
Bromomethane	35.9		"	50.0		71.8	32-177		5.21	30	
Carbon disulfide	39.7		"	50.0		79.4	10-136		6.67	30	
Carbon tetrachloride	44.6		"	50.0		89.3	66-143		6.25	30	
Chlorobenzene	51.6		"	50.0		103	86-120		5.87	30	
Chloroethane	33.1		"	50.0		66.2	51-142		11.3	30	
Chloroform	49.1		"	50.0		98.2	76-131		5.10	30	
Chloromethane	24.5		"	50.0		49.0	49-132		8.82	30	
cis-1,2-Dichloroethylene	46.2		"	50.0		92.3	74-132		4.61	30	
cis-1,3-Dichloropropylene	49.7		"	50.0		99.4	81-129		5.78	30	
Cyclohexane	39.6		"	50.0		79.2	70-130		6.08	30	
Dibromochloromethane	52.0		"	50.0		104	10-200		3.64	30	
Dibromomethane	48.7		"	50.0		97.3	83-124		3.10	30	
Dichlorodifluoromethane	11.8		"	50.0		23.6	28-158	Low Bias	7.35	30	
Ethyl Benzene	49.3		"	50.0		98.6	84-125		5.95	30	
Hexachlorobutadiene	49.3		"	50.0		98.7	83-133		5.69	30	
Isopropylbenzene	52.3		"	50.0		105	81-127		4.61	30	
Methyl acetate	40.6		"	50.0		81.3	41-143		3.60	30	
Methyl tert-butyl ether (MTBE)	48.7		"	50.0		97.3	74-131		4.11	30	
Methylcyclohexane	39.7		"	50.0		79.4	70-130		7.91	30	
Methylene chloride	44.4		"	50.0		88.7	57-141		6.37	30	
n-Butylbenzene	48.7		"	50.0		97.4	80-130		6.86	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 BL12733 - EPA 5035A											
LCS Dup (BL12733-BSD1) LCS Dup								Prepared: 12/22/2021 Analyzed: 12/23/2021			
n-Propylbenzene	49.7		ug/L	50.0		99.5	74-136		4.98	30	
o-Xylene	51.0		"	50.0		102	83-123		5.42	30	
p- & m- Xylenes	99.6		"	100		99.6	82-128		5.70	30	
p-Isopropyltoluene	51.4		"	50.0		103	85-125		4.02	30	
sec-Butylbenzene	50.7		"	50.0		101	83-125		4.57	30	
Styrene	48.5		"	50.0		97.1	86-126		4.90	30	
tert-Butyl alcohol (TBA)	313		"	250		125	70-130		7.26	30	
tert-Butylbenzene	46.3		"	50.0		92.7	80-127		3.60	30	
Tetrachloroethylene	40.4		"	50.0		80.8	80-129		7.32	30	
Toluene	47.5		"	50.0		95.1	85-121		6.32	30	
trans-1,2-Dichloroethylene	43.9		"	50.0		87.8	72-132		6.97	30	
trans-1,3-Dichloropropylene	45.5		"	50.0		91.0	78-132		6.46	30	
Trichloroethylene	48.2		"	50.0		96.5	84-123		3.32	30	
Trichlorofluoromethane	34.1		"	50.0		68.2	62-140		4.31	30	
Vinyl Chloride	26.8		"	50.0		53.5	52-130		7.51	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.1*		*"*	*50.0*		*98.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.2*		*"*	*50.0*		*98.5*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.8*		*"*	*50.0*		*102*	*76-130*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12957 - EPA 3546 SVOA											
Blank (BL12957-BLK1) Blank									Prepared & Analyzed: 12/29/2021		
1,1-Biphenyl	ND	0.0416	mg/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	0.0830	"								
1,2,4-Trichlorobenzene	ND	0.0416	"								
1,2-Dichlorobenzene	ND	0.0416	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	0.0416	"								
1,3-Dichlorobenzene	ND	0.0416	"								
1,4-Dichlorobenzene	ND	0.0416	"								
2,3,4,6-Tetrachlorophenol	ND	0.0830	"								
2,4,5-Trichlorophenol	ND	0.0416	"								
2,4,6-Trichlorophenol	ND	0.0416	"								
2,4-Dichlorophenol	ND	0.0416	"								
2,4-Dimethylphenol	ND	0.0416	"								
2,4-Dinitrophenol	ND	0.0830	"								
2,4-Dinitrotoluene	ND	0.0416	"								
2,6-Dinitrotoluene	ND	0.0416	"								
2-Chloronaphthalene	ND	0.0416	"								
2-Chlorophenol	ND	0.0416	"								
2-Methylnaphthalene	ND	0.0416	"								
2-Methylphenol	ND	0.0416	"								
2-Nitroaniline	ND	0.0830	"								
2-Nitrophenol	ND	0.0416	"								
3- & 4-Methylphenols	ND	0.0416	"								
3,3-Dichlorobenzidine	ND	0.0416	"								
3-Nitroaniline	ND	0.0830	"								
4,6-Dinitro-2-methylphenol	ND	0.0830	"								
4-Bromophenyl phenyl ether	ND	0.0416	"								
4-Chloro-3-methylphenol	ND	0.0416	"								
4-Chloroaniline	ND	0.0416	"								
4-Chlorophenyl phenyl ether	ND	0.0416	"								
4-Nitroaniline	ND	0.0830	"								
4-Nitrophenol	ND	0.0830	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Acetophenone	ND	0.0416	"								
Aniline	ND	0.166	"								
Anthracene	ND	0.0416	"								
Atrazine	ND	0.0416	"								
Benzaldehyde	ND	0.0416	"								
Benzidine	ND	0.166	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Benzoic acid	ND	0.0416	"								
Benzyl alcohol	ND	0.0416	"								
Benzyl butyl phthalate	ND	0.0416	"								
Bis(2-chloroethoxy)methane	ND	0.0416	"								
Bis(2-chloroethyl)ether	ND	0.0416	"								
Bis(2-chloroisopropyl)ether	ND	0.0416	"								
Bis(2-ethylhexyl)phthalate	ND	0.0416	"								

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 BL12957 - EPA 3546 SVOA											
Blank (BL12957-BLK1) Blank								Prepared & Analyzed: 12/29/2021			
Caprolactam	ND	0.0830	mg/kg wet								
Carbazole	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Diethyl phthalate	ND	0.0416	"								
Dimethyl phthalate	ND	0.0416	"								
Di-n-butyl phthalate	ND	0.0416	"								
Di-n-octyl phthalate	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Hexachlorobutadiene	ND	0.0416	"								
Hexachlorocyclopentadiene	ND	0.0416	"								
Hexachloroethane	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Isophorone	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Nitrobenzene	ND	0.0416	"								
N-Nitrosodimethylamine	ND	0.0416	"								
N-nitroso-di-n-propylamine	ND	0.0416	"								
N-Nitrosodiphenylamine	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	*1.57*		*"*	*1.66*		*94.5*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.48*		*"*	*1.66*		*89.0*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*1.01*		*"*	*0.831*		*122*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.788*		*"*	*0.831*		*94.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*2.12*		*"*	*1.66*		*128*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.882*		*"*	*0.831*		*106*	*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 BL12957 - EPA 3546 SVOA											
LCS (BL12957-BS1) LCS							Prepared & Analyzed: 12/29/2021				
1,1-Biphenyl	0.557	0.0416	mg/kg wet	0.831		67.0	18-111				
1,2,4,5-Tetrachlorobenzene	0.820	0.0830	"	0.831		98.7	21-131				
1,2,4-Trichlorobenzene	0.741	0.0416	"	0.831		89.2	10-140				
1,2-Dichlorobenzene	0.680	0.0416	"	0.831		81.8	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	0.636	0.0416	"	0.831		76.5	17-137				
1,3-Dichlorobenzene	0.683	0.0416	"	0.831		82.2	33-110				
1,4-Dichlorobenzene	0.691	0.0416	"	0.831		83.2	32-104				
2,3,4,6-Tetrachlorophenol	0.837	0.0830	"	0.831		101	30-130				
2,4,5-Trichlorophenol	0.853	0.0416	"	0.831		103	27-118				
2,4,6-Trichlorophenol	0.806	0.0416	"	0.831		97.0	31-120				
2,4-Dichlorophenol	0.820	0.0416	"	0.831		98.8	20-127				
2,4-Dimethylphenol	0.815	0.0416	"	0.831		98.1	14-132				
2,4-Dinitrophenol	1.67	0.0830	"	0.831		201	10-171	High Bias			
2,4-Dinitrotoluene	1.17	0.0416	"	0.831		141	34-131	High Bias			
2,6-Dinitrotoluene	1.16	0.0416	"	0.831		140	31-128	High Bias			
2-Chloronaphthalene	0.722	0.0416	"	0.831		87.0	31-117				
2-Chlorophenol	0.741	0.0416	"	0.831		89.2	33-113				
2-Methylnaphthalene	0.740	0.0416	"	0.831		89.0	12-138				
2-Methylphenol	0.715	0.0416	"	0.831		86.0	10-136				
2-Nitroaniline	0.995	0.0830	"	0.831		120	27-132				
2-Nitrophenol	1.21	0.0416	"	0.831		145	17-129	High Bias			
3- & 4-Methylphenols	0.635	0.0416	"	0.831		76.4	29-103				
3,3-Dichlorobenzidine	1.26	0.0416	"	0.831		151	22-149	High Bias			
3-Nitroaniline	0.767	0.0830	"	0.831		92.4	20-133				
4,6-Dinitro-2-methylphenol	1.58	0.0830	"	0.831		190	10-143	High Bias			
4-Bromophenyl phenyl ether	0.797	0.0416	"	0.831		96.0	29-120				
4-Chloro-3-methylphenol	0.753	0.0416	"	0.831		90.7	24-129				
4-Chloroaniline	0.404	0.0416	"	0.831		48.6	10-132				
4-Chlorophenyl phenyl ether	0.706	0.0416	"	0.831		85.0	27-124				
4-Nitroaniline	0.840	0.0830	"	0.831		101	16-128				
4-Nitrophenol	0.847	0.0830	"	0.831		102	10-141				
Acenaphthene	0.683	0.0416	"	0.831		82.2	30-121				
Acenaphthylene	0.725	0.0416	"	0.831		87.3	30-115				
Acetophenone	0.538	0.0416	"	0.831		64.8	20-112				
Aniline	0.697	0.166	"	0.831		84.0	10-119				
Anthracene	0.735	0.0416	"	0.831		88.4	34-118				
Atrazine	0.710	0.0416	"	0.831		85.5	26-112				
Benzaldehyde	0.577	0.0416	"	0.831		69.5	21-100				
Benzo(a)anthracene	0.762	0.0416	"	0.831		91.8	32-122				
Benzo(a)pyrene	0.841	0.0416	"	0.831		101	29-133				
Benzo(b)fluoranthene	0.787	0.0416	"	0.831		94.7	25-133				
Benzo(g,h,i)perylene	0.804	0.0416	"	0.831		96.8	10-143				
Benzo(k)fluoranthene	0.755	0.0416	"	0.831		91.0	25-128				
Benzoic acid	0.631	0.0416	"	0.831		76.0	10-140				
Benzyl alcohol	0.678	0.0416	"	0.831		81.7	30-115				
Benzyl butyl phthalate	0.822	0.0416	"	0.831		99.0	26-126				
Bis(2-chloroethoxy)methane	0.690	0.0416	"	0.831		83.0	19-132				
Bis(2-chloroethyl)ether	0.622	0.0416	"	0.831		74.9	19-125				
Bis(2-chloroisopropyl)ether	0.547	0.0416	"	0.831		65.8	20-135				
Bis(2-ethylhexyl)phthalate	0.850	0.0416	"	0.831		102	10-155				
Caprolactam	0.647	0.0830	"	0.831		77.9	10-127				

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 BL12957 - EPA 3546 SVOA											
LCS (BL12957-BS1) LCS							Prepared & Analyzed: 12/29/2021				
Carbazole	0.752	0.0416	mg/kg wet	0.831		90.6	35-123				
Chrysene	0.734	0.0416	"	0.831		88.3	32-123				
Dibenzo(a,h)anthracene	0.837	0.0416	"	0.831		101	10-136				
Dibenzofuran	0.711	0.0416	"	0.831		85.6	29-121				
Diethyl phthalate	0.709	0.0416	"	0.831		85.4	34-116				
Dimethyl phthalate	0.706	0.0416	"	0.831		85.0	35-124				
Di-n-butyl phthalate	0.780	0.0416	"	0.831		93.9	31-116				
Di-n-octyl phthalate	0.826	0.0416	"	0.831		99.5	26-136				
Fluoranthene	0.737	0.0416	"	0.831		88.7	33-122				
Fluorene	0.698	0.0416	"	0.831		84.0	29-123				
Hexachlorobenzene	0.656	0.0416	"	0.831		79.0	21-124				
Hexachlorobutadiene	0.770	0.0416	"	0.831		92.8	10-149				
Hexachlorocyclopentadiene	0.827	0.0416	"	0.831		99.5	10-129				
Hexachloroethane	0.690	0.0416	"	0.831		83.0	28-108				
Indeno(1,2,3-cd)pyrene	0.807	0.0416	"	0.831		97.1	10-135				
Isophorone	0.686	0.0416	"	0.831		82.6	20-132				
Naphthalene	0.734	0.0416	"	0.831		88.4	23-124				
Nitrobenzene	0.864	0.0416	"	0.831		104	13-132				
N-Nitrosodimethylamine	0.607	0.0416	"	0.831		73.1	11-129				
N-nitroso-di-n-propylamine	0.577	0.0416	"	0.831		69.5	24-119				
N-Nitrosodiphenylamine	0.850	0.0416	"	0.831		102	22-152				
Pentachlorophenol	0.891	0.0416	"	0.831		107	10-139				
Phenanthrene	0.703	0.0416	"	0.831		84.6	33-123				
Phenol	0.689	0.0416	"	0.831		83.0	23-115				
Pyrene	0.769	0.0416	"	0.831		92.6	24-130				
Surrogate: SURR: 2-Fluorophenol	*1.39*		*"*	*1.66*		*83.6*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.30*		*"*	*1.66*		*78.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.878*		*"*	*0.831*		*106*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.666*		*"*	*0.831*		*80.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.84*		*"*	*1.66*		*111*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.744*		*"*	*0.831*		*89.6*	*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 BL12957 - EPA 3546 SVOA											
Matrix Spike (BL12957-MS1) Matrix Spike	*Source sample: 21L1036-04 (Matrix Spike)							Prepared: 12/29/2021 Analyzed: 12/30/2021			
1,1-Biphenyl	0.608	0.0885	mg/kg dry	0.885	ND	68.7	10-130				
1,2,4,5-Tetrachlorobenzene	0.825	0.177	"	0.885	ND	93.3	10-133				
1,2,4-Trichlorobenzene	0.730	0.0885	"	0.885	ND	82.5	10-127				
1,2-Dichlorobenzene	0.696	0.0885	"	0.885	ND	78.7	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	0.595	0.0885	"	0.885	ND	67.3	10-144				
1,3-Dichlorobenzene	0.692	0.0885	"	0.885	ND	78.2	11-111				
1,4-Dichlorobenzene	0.694	0.0885	"	0.885	ND	78.4	10-106				
2,3,4,6-Tetrachlorophenol	0.782	0.177	"	0.885	ND	88.4	30-130				
2,4,5-Trichlorophenol	0.857	0.0885	"	0.885	ND	96.9	10-127				
2,4,6-Trichlorophenol	0.769	0.0885	"	0.885	ND	87.0	10-132				
2,4-Dichlorophenol	0.824	0.0885	"	0.885	ND	93.2	10-128				
2,4-Dimethylphenol	0.793	0.0885	"	0.885	ND	89.6	10-137				
2,4-Dinitrophenol	ND	0.177	"	0.885	ND		10-171	Low Bias			
2,4-Dinitrotoluene	0.849	0.0885	"	0.885	ND	95.9	16-135				
2,6-Dinitrotoluene	0.931	0.0885	"	0.885	ND	105	18-131				
2-Chloronaphthalene	0.709	0.0885	"	0.885	ND	80.2	10-129				
2-Chlorophenol	0.748	0.0885	"	0.885	ND	84.6	15-116				
2-Methylnaphthalene	0.718	0.0885	"	0.885	ND	81.2	10-147				
2-Methylphenol	0.720	0.0885	"	0.885	ND	81.4	10-136				
2-Nitroaniline	0.983	0.177	"	0.885	ND	111	10-137				
2-Nitrophenol	0.907	0.0885	"	0.885	ND	102	10-129				
3- & 4-Methylphenols	0.612	0.0885	"	0.885	ND	69.2	10-123				
3,3-Dichlorobenzidine	1.40	0.0885	"	0.885	ND	159	10-155	High Bias			
3-Nitroaniline	0.970	0.177	"	0.885	ND	110	12-133				
4,6-Dinitro-2-methylphenol	0.127	0.177	"	0.885	ND	14.3	10-155				
4-Bromophenyl phenyl ether	0.750	0.0885	"	0.885	ND	84.8	14-128				
4-Chloro-3-methylphenol	0.734	0.0885	"	0.885	ND	83.0	10-134				
4-Chloroaniline	0.617	0.0885	"	0.885	ND	69.8	10-145				
4-Chlorophenyl phenyl ether	0.691	0.0885	"	0.885	ND	78.2	14-130				
4-Nitroaniline	0.904	0.177	"	0.885	ND	102	10-147				
4-Nitrophenol	0.754	0.177	"	0.885	ND	85.2	10-137				
Acenaphthene	0.681	0.0885	"	0.885	ND	77.0	10-146				
Acenaphthylene	0.706	0.0885	"	0.885	ND	79.8	10-134				
Acetophenone	0.609	0.0885	"	0.885	ND	68.8	10-116				
Aniline	0.679	0.355	"	0.885	ND	76.7	10-123				
Anthracene	0.712	0.0885	"	0.885	ND	80.5	10-142				
Atrazine	0.652	0.0885	"	0.885	ND	73.7	19-115				
Benzaldehyde	0.612	0.0885	"	0.885	ND	69.2	10-125				
Benzo(a)anthracene	0.803	0.0885	"	0.885	ND	90.8	10-158				
Benzo(a)pyrene	0.853	0.0885	"	0.885	ND	96.5	10-180				
Benzo(b)fluoranthene	0.799	0.0885	"	0.885	ND	90.3	10-200				
Benzo(g,h,i)perylene	0.768	0.0885	"	0.885	ND	86.8	10-138				
Benzo(k)fluoranthene	0.791	0.0885	"	0.885	ND	89.4	10-197				
Benzoic acid	0.124	0.0885	"	0.885	ND	14.0	10-166				
Benzyl alcohol	0.664	0.0885	"	0.885	ND	75.0	12-124				
Benzyl butyl phthalate	0.761	0.0885	"	0.885	ND	86.0	10-154				
Bis(2-chloroethoxy)methane	0.643	0.0885	"	0.885	ND	72.7	10-132				
Bis(2-chloroethyl)ether	0.604	0.0885	"	0.885	ND	68.3	10-119				
Bis(2-chloroisopropyl)ether	0.563	0.0885	"	0.885	ND	63.6	10-139				
Bis(2-ethylhexyl)phthalate	0.824	0.0885	"	0.885	ND	93.1	10-167				
Caprolactam	0.660	0.177	"	0.885	ND	74.6	10-132				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12957 - EPA 3546 SVOA

Matrix Spike (BL12957-MS1) Matrix Spike *Source sample: 21L1036-04 (Matrix Spike) Prepared: 12/29/2021 Analyzed: 12/30/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Carbazole	0.717	0.0885	mg/kg dry	0.885	ND	81.0	10-167				
Chrysene	0.724	0.0885	"	0.885	ND	81.8	10-156				
Dibenzo(a,h)anthracene	0.811	0.0885	"	0.885	ND	91.7	10-137				
Dibenzofuran	0.691	0.0885	"	0.885	ND	78.2	10-147				
Diethyl phthalate	0.647	0.0885	"	0.885	ND	73.1	20-120				
Dimethyl phthalate	0.670	0.0885	"	0.885	ND	75.8	18-131				
Di-n-butyl phthalate	0.708	0.0885	"	0.885	ND	80.0	10-137				
Di-n-octyl phthalate	0.786	0.0885	"	0.885	ND	88.9	10-180				
Fluoranthene	0.752	0.0885	"	0.885	0.0564	78.6	10-160				
Fluorene	0.698	0.0885	"	0.885	ND	78.9	10-157				
Hexachlorobenzene	0.646	0.0885	"	0.885	ND	73.0	10-137				
Hexachlorobutadiene	0.769	0.0885	"	0.885	ND	86.9	10-132				
Hexachlorocyclopentadiene	0.127	0.0885	"	0.885	ND	14.4	10-106				
Hexachloroethane	0.535	0.0885	"	0.885	ND	60.5	10-110				
Indeno(1,2,3-cd)pyrene	0.783	0.0885	"	0.885	ND	88.5	10-144				
Isophorone	0.643	0.0885	"	0.885	ND	72.6	10-132				
Naphthalene	0.712	0.0885	"	0.885	ND	80.5	10-141				
Nitrobenzene	0.832	0.0885	"	0.885	ND	94.1	10-131				
N-Nitrosodimethylamine	0.586	0.0885	"	0.885	ND	66.2	10-126				
N-nitroso-di-n-propylamine	0.599	0.0885	"	0.885	ND	67.7	10-125				
N-Nitrosodiphenylamine	0.815	0.0885	"	0.885	ND	92.1	10-177				
Pentachlorophenol	0.783	0.0885	"	0.885	ND	88.6	10-153				
Phenanthrene	0.697	0.0885	"	0.885	ND	78.8	10-148				
Phenol	0.745	0.0885	"	0.885	ND	84.2	10-126				
Pyrene	0.786	0.0885	"	0.885	0.0501	83.2	10-165				
Surrogate: SURR: 2-Fluorophenol	*1.47*		*"*	*1.77*		*83.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.40*		*"*	*1.77*		*78.9*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.885*		*"*	*0.885*		*100*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.698*		*"*	*0.885*		*78.9*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.95*		*"*	*1.77*		*110*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.766*		*"*	*0.885*		*86.6*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12957 - EPA 3546 SVOA

Matrix Spike Dup (BL12957-M Matrix Spike Dup *Source sample: 21L1036-04 (Matrix Spike Dup) Prepared: 12/29/2021 Analyzed: 12/30/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	0.390	0.0885	mg/kg dry	0.885	ND	44.1	10-130		43.7	30	Non-dir.
1,2,4,5-Tetrachlorobenzene	0.640	0.177	"	0.885	ND	72.3	10-133		25.3	30	
1,2,4-Trichlorobenzene	0.590	0.0885	"	0.885	ND	66.7	10-127		21.1	30	
1,2-Dichlorobenzene	0.548	0.0885	"	0.885	ND	62.0	14-111		23.8	30	
1,2-Diphenylhydrazine (as Azobenzene)	0.477	0.0885	"	0.885	ND	53.9	10-144		22.0	30	
1,3-Dichlorobenzene	0.548	0.0885	"	0.885	ND	61.9	11-111		23.3	30	
1,4-Dichlorobenzene	0.553	0.0885	"	0.885	ND	62.5	10-106		22.6	30	
2,3,4,6-Tetrachlorophenol	0.594	0.177	"	0.885	ND	67.2	30-130		27.2	30	
2,4,5-Trichlorophenol	0.684	0.0885	"	0.885	ND	77.4	10-127		22.4	30	
2,4,6-Trichlorophenol	0.630	0.0885	"	0.885	ND	71.2	10-132		19.9	30	
2,4-Dichlorophenol	0.628	0.0885	"	0.885	ND	71.0	10-128		27.1	30	
2,4-Dimethylphenol	0.614	0.0885	"	0.885	ND	69.4	10-137		25.4	30	
2,4-Dinitrophenol	ND	0.177	"	0.885	ND		10-171	Low Bias		30	
2,4-Dinitrotoluene	0.688	0.0885	"	0.885	ND	77.8	16-135		20.9	30	
2,6-Dinitrotoluene	0.767	0.0885	"	0.885	ND	86.7	18-131		19.3	30	
2-Chloronaphthalene	0.545	0.0885	"	0.885	ND	61.6	10-129		26.2	30	
2-Chlorophenol	0.597	0.0885	"	0.885	ND	67.4	15-116		22.5	30	
2-Methylnaphthalene	0.569	0.0885	"	0.885	ND	64.3	10-147		23.2	30	
2-Methylphenol	0.590	0.0885	"	0.885	ND	66.7	10-136		19.8	30	
2-Nitroaniline	0.773	0.177	"	0.885	ND	87.4	10-137		23.9	30	
2-Nitrophenol	0.703	0.0885	"	0.885	ND	79.5	10-129		25.2	30	
3- & 4-Methylphenols	0.497	0.0885	"	0.885	ND	56.2	10-123		20.8	30	
3,3-Dichlorobenzidine	1.06	0.0885	"	0.885	ND	119	10-155		28.1	30	
3-Nitroaniline	0.728	0.177	"	0.885	ND	82.3	12-133		28.5	30	
4,6-Dinitro-2-methylphenol	0.0948	0.177	"	0.885	ND	10.7	10-155		28.8	30	
4-Bromophenyl phenyl ether	0.576	0.0885	"	0.885	ND	65.1	14-128		26.3	30	
4-Chloro-3-methylphenol	0.582	0.0885	"	0.885	ND	65.8	10-134		23.1	30	
4-Chloroaniline	0.494	0.0885	"	0.885	ND	55.8	10-145		22.2	30	
4-Chlorophenyl phenyl ether	0.551	0.0885	"	0.885	ND	62.2	14-130		22.7	30	
4-Nitroaniline	0.723	0.177	"	0.885	ND	81.7	10-147		22.4	30	
4-Nitrophenol	0.535	0.177	"	0.885	ND	60.5	10-137		33.9	30	Non-dir.
Acenaphthene	0.536	0.0885	"	0.885	ND	60.6	10-146		23.7	30	
Acenaphthylene	0.562	0.0885	"	0.885	ND	63.5	10-134		22.8	30	
Acetophenone	0.395	0.0885	"	0.885	ND	44.6	10-116		42.6	30	Non-dir.
Aniline	0.546	0.355	"	0.885	ND	61.8	10-123		21.6	30	
Anthracene	0.561	0.0885	"	0.885	ND	63.4	10-142		23.7	30	
Atrazine	0.432	0.0885	"	0.885	ND	48.8	19-115		40.6	30	Non-dir.
Benzaldehyde	0.418	0.0885	"	0.885	ND	47.2	10-125		37.8	30	Non-dir.
Benzo(a)anthracene	0.638	0.0885	"	0.885	ND	72.2	10-158		22.9	30	
Benzo(a)pyrene	0.687	0.0885	"	0.885	ND	77.7	10-180		21.6	30	
Benzo(b)fluoranthene	0.636	0.0885	"	0.885	ND	71.8	10-200		22.8	30	
Benzo(g,h,i)perylene	0.627	0.0885	"	0.885	ND	70.9	10-138		20.2	30	
Benzo(k)fluoranthene	0.606	0.0885	"	0.885	ND	68.5	10-197		26.5	30	
Benzoic acid	0.0764	0.0885	"	0.885	ND	8.64	10-166	Low Bias	47.3	30	Non-dir.
Benzyl alcohol	0.536	0.0885	"	0.885	ND	60.6	12-124		21.4	30	
Benzyl butyl phthalate	0.594	0.0885	"	0.885	ND	67.2	10-154		24.5	30	
Bis(2-chloroethoxy)methane	0.516	0.0885	"	0.885	ND	58.3	10-132		22.0	30	
Bis(2-chloroethyl)ether	0.514	0.0885	"	0.885	ND	58.1	10-119		16.2	30	
Bis(2-chloroisopropyl)ether	0.454	0.0885	"	0.885	ND	51.3	10-139		21.4	30	
Bis(2-ethylhexyl)phthalate	0.621	0.0885	"	0.885	ND	70.2	10-167		28.1	30	
Caprolactam	0.451	0.177	"	0.885	ND	51.0	10-132		37.7	30	Non-dir.

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12957 - EPA 3546 SVOA

Matrix Spike Dup (BL12957-M Matrix Spike Dup *Source sample: 21L1036-04 (Matrix Spike Dup) Prepared: 12/29/2021 Analyzed: 12/30/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Carbazole	0.563	0.0885	mg/kg dry	0.885	ND	63.6	10-167		24.1	30	
Chrysene	0.581	0.0885	"	0.885	ND	65.7	10-156		21.9	30	
Dibenzo(a,h)anthracene	0.640	0.0885	"	0.885	ND	72.4	10-137		23.5	30	
Dibenzofuran	0.538	0.0885	"	0.885	ND	60.8	10-147		25.0	30	
Diethyl phthalate	0.501	0.0885	"	0.885	ND	56.6	20-120		25.4	30	
Dimethyl phthalate	0.524	0.0885	"	0.885	ND	59.3	18-131		24.4	30	
Di-n-butyl phthalate	0.556	0.0885	"	0.885	ND	62.8	10-137		24.1	30	
Di-n-octyl phthalate	0.609	0.0885	"	0.885	ND	68.8	10-180		25.5	30	
Fluoranthene	0.633	0.0885	"	0.885	0.0564	65.1	10-160		17.2	30	
Fluorene	0.544	0.0885	"	0.885	ND	61.4	10-157		24.9	30	
Hexachlorobenzene	0.493	0.0885	"	0.885	ND	55.7	10-137		27.0	30	
Hexachlorobutadiene	0.636	0.0885	"	0.885	ND	71.8	10-132		19.0	30	
Hexachlorocyclopentadiene	0.0764	0.0885	"	0.885	ND	8.64	10-106	Low Bias	50.0	30	Non-dir.
Hexachloroethane	0.408	0.0885	"	0.885	ND	46.1	10-110		27.0	30	
Indeno(1,2,3-cd)pyrene	0.691	0.0885	"	0.885	ND	78.1	10-144		12.5	30	
Isophorone	0.500	0.0885	"	0.885	ND	56.5	10-132		25.0	30	
Naphthalene	0.568	0.0885	"	0.885	ND	64.2	10-141		22.4	30	
Nitrobenzene	0.637	0.0885	"	0.885	ND	72.0	10-131		26.6	30	
N-Nitrosodimethylamine	0.449	0.0885	"	0.885	ND	50.7	10-126		26.5	30	
N-nitroso-di-n-propylamine	0.483	0.0885	"	0.885	ND	54.6	10-125		21.5	30	
N-Nitrosodiphenylamine	0.618	0.0885	"	0.885	ND	69.8	10-177		27.5	30	
Pentachlorophenol	0.586	0.0885	"	0.885	ND	66.2	10-153		28.8	30	
Phenanthrene	0.567	0.0885	"	0.885	ND	64.1	10-148		20.6	30	
Phenol	0.594	0.0885	"	0.885	ND	67.2	10-126		22.5	30	
Pyrene	0.651	0.0885	"	0.885	0.0501	67.9	10-165		18.8	30	
Surrogate: SURR: 2-Fluorophenol	*1.14*		*"*	*1.77*		*64.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.10*		*"*	*1.77*		*62.4*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.735*		*"*	*0.885*		*83.0*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.542*		*"*	*0.885*		*61.3*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.51*		*"*	*1.77*		*85.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.600*		*"*	*0.885*		*67.8*	*24-116*				

Semivolatile Organic Compounds by GC/MS/SIM - 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 BL12997 - EPA 3550C											
Blank (BL12997-BLK1) Blank								Prepared: 12/29/2021 Analyzed: 12/30/2021			
1,4-Dioxane	ND	19.8	ug/kg								
Surrogate: 1,4-Dioxane-d8	*267*		*"*	*495*		*54.0*	*39-127.5*				
LCS (BL12997-BS1) LCS								Prepared: 12/29/2021 Analyzed: 12/30/2021			
1,4-Dioxane	514	19.8	ug/kg	495		104	40-130				
Surrogate: 1,4-Dioxane-d8	*257*		*"*	*495*		*52.0*	*39-127.5*				
Matrix Spike (BL12997-MS1) Matrix Spike *Source sample: 21L1036-04 (Matrix Spike)								Prepared: 12/29/2021 Analyzed: 12/30/2021			
1,4-Dioxane	540	19.8	ug/kg	495	ND	109	40-130				
Surrogate: 1,4-Dioxane-d8	*218*		*"*	*495*		*44.0*	*40-130*				
Matrix Spike Dup (BL12997-M Matrix Spike Dup *Source sample: 21L1036-04 (Matrix Spike Dup)								Prepared: 12/29/2021 Analyzed: 12/30/2021			
1,4-Dioxane	425	19.8	ug/kg	495	ND	85.8	40-130		23.8	30	
Surrogate: 1,4-Dioxane-d8	*238*		*"*	*495*		*48.0*	*40-130*				

PFAS Target compounds by LC/MS-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 BL12767 - SPE PFAS Extraction-Soil-EPA 537m											
Blank (BL12767-BLK1) Blank								Prepared: 12/23/2021 Analyzed: 12/30/2021			
Perfluorobutanesulfonic acid (PFBS)	ND	0.224	ug/kg wet								
Perfluorohexanoic acid (PFHxA)	ND	0.224	"								
Perfluoroheptanoic acid (PFHpA)	ND	0.224	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	0.224	"								
Perfluorooctanoic acid (PFOA)	ND	0.224	"								
Perfluorooctanesulfonic acid (PFOS)	ND	0.224	"								
Perfluorononanoic acid (PFNA)	ND	0.224	"								
Perfluorodecanoic acid (PFDA)	ND	0.224	"								
Perfluoroundecanoic acid (PFUnA)	ND	0.224	"								
Perfluorododecanoic acid (PFDoA)	ND	0.224	"								
Perfluorotridecanoic acid (PFTrDA)	ND	0.224	"								
Perfluorotetradecanoic acid (PFTA)	ND	0.224	"								
N-MeFOSAA	ND	0.224	"								
N-EtFOSAA	ND	0.224	"								
Perfluoropentanoic acid (PFPeA)	ND	0.224	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	0.224	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	0.224	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	0.224	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	0.224	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	0.224	"								
Perfluoro-n-butanoic acid (PFBA)	ND	0.224	"								
Surrogate: M3PFBS	*3.77*		*"*	*4.15*		*90.7*	*25-150*				
Surrogate: M5PFHxA	*4.29*		*"*	*4.47*		*95.9*	*25-150*				
Surrogate: M4PFHpA	*3.79*		*"*	*4.47*		*84.8*	*25-150*				
Surrogate: M3PFHxS	*3.56*		*"*	*4.23*		*84.2*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.63*		*"*	*4.47*		*104*	*25-150*				
Surrogate: M6PFDA	*3.62*		*"*	*4.47*		*81.0*	*25-150*				
Surrogate: M7PFUdA	*3.11*		*"*	*4.47*		*69.5*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.03*		*"*	*4.47*		*67.8*	*25-150*				
Surrogate: M2PFTeDA	*2.10*		*"*	*4.47*		*47.1*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.93*		*"*	*4.47*		*87.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.02*		*"*	*4.28*		*70.6*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.38*		*"*	*4.47*		*98.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.11*		*"*	*4.47*		*69.5*	*10-150*				
Surrogate: d3-N-MeFOSAA	*3.08*		*"*	*4.47*		*68.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*3.41*		*"*	*4.47*		*76.2*	*25-150*				
Surrogate: M2-6:2 FTS	*5.00*		*"*	*4.24*		*118*	*25-200*				
Surrogate: M2-8:2 FTS	*6.42*		*"*	*4.28*		*150*	*25-200*				
Surrogate: M9PFNA	*3.59*		*"*	*4.47*		*80.3*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12767 - SPE PFAS Extraction-Soil-EPA 537m

LCS (BL12767-BS1) LCS — Prepared: 12/23/2021 Analyzed: 12/30/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	3.62	0.219	ug/kg wet	3.88		93.3	50-130				
Perfluorohexanoic acid (PFHxA)	4.06	0.219	"	4.39		92.7	50-130				
Perfluoroheptanoic acid (PFHpA)	4.49	0.219	"	4.39		102	50-130				
Perfluorohexanesulfonic acid (PFHxS)	4.17	0.219	"	3.99		104	50-130				
Perfluorooctanoic acid (PFOA)	3.56	0.219	"	4.39		81.1	50-130				
Perfluorooctanesulfonic acid (PFOS)	4.14	0.219	"	4.06		102	50-130				
Perfluorononanoic acid (PFNA)	4.35	0.219	"	4.39		99.1	50-130				
Perfluorodecanoic acid (PFDA)	3.94	0.219	"	4.39		89.8	50-130				
Perfluoroundecanoic acid (PFUnA)	4.79	0.219	"	4.39		109	50-130				
Perfluorododecanoic acid (PFDoA)	4.33	0.219	"	4.39		98.6	50-130				
Perfluorotridecanoic acid (PFTrDA)	3.55	0.219	"	4.39		81.0	50-130				
Perfluorotetradecanoic acid (PFTA)	3.74	0.219	"	4.39		85.2	50-130				
N-MeFOSAA	5.78	0.219	"	4.39		132	50-130	High Bias			
N-EtFOSAA	5.79	0.219	"	4.39		132	50-130	High Bias			
Perfluoropentanoic acid (PFPeA)	3.94	0.219	"	4.39		89.9	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	4.09	0.219	"	4.39		93.3	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.42	0.219	"	4.19		106	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	4.15	0.219	"	4.23		98.1	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	10.2	0.219	"	4.17		245	50-200	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	7.46	0.219	"	4.21		177	50-200				
Perfluoro-n-butanoic acid (PFBA)	4.36	0.219	"	4.39		99.4	50-130				
Surrogate: M3PFBS	*3.77*		*"*	*4.07*		*92.6*	*25-150*				
Surrogate: M5PFHxA	*4.22*		*"*	*4.39*		*96.1*	*25-150*				
Surrogate: M4PFHpA	*3.88*		*"*	*4.39*		*88.4*	*25-150*				
Surrogate: M3PFHxS	*3.74*		*"*	*4.15*		*90.0*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.41*		*"*	*4.39*		*100*	*25-150*				
Surrogate: M6PFDA	*3.34*		*"*	*4.39*		*76.3*	*25-150*				
Surrogate: M7PFUdA	*2.99*		*"*	*4.39*		*68.1*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*2.92*		*"*	*4.39*		*66.6*	*25-150*				
Surrogate: M2PFTeDA	*2.41*		*"*	*4.39*		*54.9*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.73*		*"*	*4.39*		*85.0*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*2.99*		*"*	*4.20*		*71.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.10*		*"*	*4.39*		*93.6*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.23*		*"*	*4.39*		*73.8*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.41*		*"*	*4.39*		*54.9*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.50*		*"*	*4.39*		*57.0*	*25-150*				
Surrogate: M2-6:2 FTS	*3.96*		*"*	*4.16*		*95.1*	*25-200*				
Surrogate: M2-8:2 FTS	*5.57*		*"*	*4.20*		*133*	*25-200*				
Surrogate: M9PFNA	*3.01*		*"*	*4.39*		*68.6*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12767 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike (BL12767-MS1) Matrix Spike *Source sample: 21L1042-04 (Matrix Spike) Prepared: 12/23/2021 Analyzed: 12/30/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	3.80	0.241	ug/kg dry	4.27	ND	89.0	25-150				
Perfluorohexanoic acid (PFHxA)	4.67	0.241	"	4.83	ND	96.8	25-150				
Perfluoroheptanoic acid (PFHpA)	4.87	0.241	"	4.83	ND	101	25-150				
Perfluorohexanesulfonic acid (PFHxS)	4.02	0.241	"	4.39	0.0380	90.6	25-150				
Perfluorooctanoic acid (PFOA)	4.69	0.241	"	4.83	0.295	91.0	25-150				
Perfluorooctanesulfonic acid (PFOS)	3.69	0.241	"	4.46	0.504	71.3	25-150				
Perfluorononanoic acid (PFNA)	5.42	0.241	"	4.83	ND	112	25-150				
Perfluorodecanoic acid (PFDA)	4.79	0.241	"	4.83	ND	99.3	25-150				
Perfluoroundecanoic acid (PFUnA)	5.02	0.241	"	4.83	ND	104	25-150				
Perfluorododecanoic acid (PFDoA)	4.81	0.241	"	4.83	ND	99.6	25-150				
Perfluorotridecanoic acid (PFTrDA)	4.33	0.241	"	4.83	ND	89.7	25-150				
Perfluorotetradecanoic acid (PFTA)	5.03	0.241	"	4.83	ND	104	25-150				
N-MeFOSAA	5.69	0.241	"	4.83	ND	118	25-150				
N-EtFOSAA	6.88	0.241	"	4.83	ND	143	25-150				
Perfluoropentanoic acid (PFPeA)	4.58	0.241	"	4.83	ND	95.0	25-150				
Perfluoro-1-octanesulfonamide (FOSA)	4.77	0.241	"	4.83	ND	98.9	25-150				
Perfluoro-1-heptanesulfonic acid (PFHpS)	4.78	0.241	"	4.61	ND	104	25-150				
Perfluoro-1-decanesulfonic acid (PFDS)	3.86	0.241	"	4.66	ND	82.9	25-150				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	9.47	0.241	"	4.58	ND	207	25-200	High Bias			
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	7.45	0.241	"	4.63	ND	161	25-200				
Perfluoro-n-butanoic acid (PFBA)	5.02	0.241	"	4.83	ND	104	25-150				
Surrogate: M3PFBS	*3.74*		*"*	*4.48*		*83.4*	*25-150*				
Surrogate: M5PFHxA	*4.07*		*"*	*4.83*		*84.3*	*25-150*				
Surrogate: M4PFHpA	*4.03*		*"*	*4.83*		*83.4*	*25-150*				
Surrogate: M3PFHxS	*3.91*		*"*	*4.56*		*85.6*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*4.04*		*"*	*4.83*		*83.6*	*25-150*				
Surrogate: M6PFDA	*3.29*		*"*	*4.83*		*68.1*	*25-150*				
Surrogate: M7PFUdA	*2.99*		*"*	*4.83*		*61.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.44*		*"*	*4.83*		*71.3*	*25-150*				
Surrogate: M2PFTeDA	*2.17*		*"*	*4.83*		*45.0*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.87*		*"*	*4.83*		*80.2*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*3.15*		*"*	*4.62*		*68.2*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*4.00*		*"*	*4.83*		*82.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*3.11*		*"*	*4.83*		*64.4*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.63*		*"*	*4.83*		*54.4*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.31*		*"*	*4.83*		*48.0*	*25-150*				
Surrogate: M2-6:2 FTS	*5.62*		*"*	*4.58*		*123*	*25-200*				
Surrogate: M2-8:2 FTS	*4.64*		*"*	*4.62*		*100*	*25-200*				
Surrogate: M9PFNA	*3.24*		*"*	*4.83*		*67.1*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12767 - SPE PFAS Extraction-Soil-EPA 537m

Matrix Spike Dup (BL12767-M Matrix Spike Dup *Source sample: 21L1042-04 (Matrix Spike Dup) Prepared: 12/23/2021 Analyzed: 12/30/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	3.31	0.203	ug/kg dry	3.60	ND	91.9	25-150		13.9	35	
Perfluorohexanoic acid (PFHxA)	3.86	0.203	"	4.06	ND	94.9	25-150		19.1	35	
Perfluoroheptanoic acid (PFHpA)	3.43	0.203	"	4.06	ND	84.4	25-150		34.7	35	
Perfluorohexanesulfonic acid (PFHxS)	3.87	0.203	"	3.70	0.0380	104	25-150		3.58	35	
Perfluorooctanoic acid (PFOA)	3.44	0.203	"	4.06	0.295	77.3	25-150		30.7	35	
Perfluorooctanesulfonic acid (PFOS)	4.06	0.203	"	3.76	0.504	94.6	25-150		9.64	35	
Perfluorononanoic acid (PFNA)	4.52	0.203	"	4.06	ND	111	25-150		18.2	35	
Perfluorodecanoic acid (PFDA)	3.43	0.203	"	4.06	ND	84.4	25-150		33.0	35	
Perfluoroundecanoic acid (PFUnA)	3.13	0.203	"	4.06	ND	77.1	25-150		46.4	35	Non-dir.
Perfluorododecanoic acid (PFDoA)	3.32	0.203	"	4.06	ND	81.6	25-150		36.7	35	Non-dir.
Perfluorotridecanoic acid (PFTrDA)	3.06	0.203	"	4.06	ND	75.4	25-150		34.2	35	
Perfluorotetradecanoic acid (PFTA)	3.72	0.203	"	4.06	ND	91.4	25-150		30.0	35	
N-MeFOSAA	5.46	0.203	"	4.06	ND	134	25-150		4.07	35	
N-EtFOSAA	4.77	0.203	"	4.06	ND	117	25-150		36.3	35	Non-dir.
Perfluoropentanoic acid (PFPeA)	3.66	0.203	"	4.06	ND	90.1	25-150		22.4	35	
Perfluoro-1-octanesulfonamide (FOSA)	4.32	0.203	"	4.06	ND	106	25-150		9.91	35	
Perfluoro-1-heptanesulfonic acid (PFHpS)	3.47	0.203	"	3.88	ND	89.4	25-150		31.8	35	
Perfluoro-1-decanesulfonic acid (PFDS)	3.38	0.203	"	3.92	ND	86.2	25-150		13.2	35	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	6.83	0.203	"	3.86	ND	177	25-200		32.4	35	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	8.29	0.203	"	3.90	ND	212	25-200	High Bias	10.6	35	
Perfluoro-n-butanoic acid (PFBA)	3.97	0.203	"	4.06	ND	97.5	25-150		23.4	35	
Surrogate: M3PFBS	*3.20*		*"*	*3.78*		*84.8*	*25-150*				
Surrogate: M5PFHxA	*3.41*		*"*	*4.06*		*83.9*	*25-150*				
Surrogate: M4PFHpA	*3.84*		*"*	*4.06*		*94.5*	*25-150*				
Surrogate: M3PFHxS	*3.00*		*"*	*3.85*		*78.1*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*3.71*		*"*	*4.06*		*91.3*	*25-150*				
Surrogate: M6PFDA	*3.07*		*"*	*4.06*		*75.6*	*25-150*				
Surrogate: M7PFUdA	*3.13*		*"*	*4.06*		*76.9*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*3.38*		*"*	*4.06*		*83.1*	*25-150*				
Surrogate: M2PFTeDA	*2.18*		*"*	*4.06*		*53.7*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*3.38*		*"*	*4.06*		*83.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*2.66*		*"*	*3.89*		*68.3*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*3.56*		*"*	*4.06*		*87.7*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*2.34*		*"*	*4.06*		*57.6*	*10-150*				
Surrogate: d3-N-MeFOSAA	*2.18*		*"*	*4.06*		*53.6*	*25-150*				
Surrogate: d5-N-EtFOSAA	*2.29*		*"*	*4.06*		*56.4*	*25-150*				
Surrogate: M2-6:2 FTS	*5.22*		*"*	*3.86*		*135*	*25-200*				
Surrogate: M2-8:2 FTS	*4.48*		*"*	*3.89*		*115*	*25-200*				
Surrogate: M9PFNA	*2.45*		*"*	*4.06*		*60.4*	*25-150*				

Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Batch BL12914 - EPA 3550C

Blank (BL12914-BLK1) Blank — Prepared: 12/28/2021 Analyzed: 12/30/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
4,4'-DDD	ND	0.00164	mg/kg wet								
4,4'-DDE	ND	0.00164	"								
4,4'-DDT	ND	0.00164	"								
Aldrin	ND	0.00164	"								
alpha-BHC	ND	0.00164	"								
alpha-Chlordane	ND	0.00164	"								
beta-BHC	ND	0.00164	"								
delta-BHC	ND	0.00164	"								
Dieldrin	ND	0.00164	"								
Endosulfan I	ND	0.00164	"								
Endosulfan II	ND	0.00164	"								
Endosulfan sulfate	ND	0.00164	"								
Endrin	ND	0.00164	"								
Endrin aldehyde	ND	0.00164	"								
Endrin ketone	ND	0.00164	"								
gamma-BHC (Lindane)	ND	0.00164	"								
gamma-Chlordane	ND	0.00164	"								
Heptachlor	ND	0.00164	"								
Heptachlor epoxide	ND	0.00164	"								
Methoxychlor	ND	0.00164	"								
Toxaphene	ND	0.164	"								
Surrogate: Decachlorobiphenyl	*0.0525*		*"*	*0.0664*		*79.0*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0540*		*"*	*0.0664*		*81.3*	*30-150*				

LCS (BL12914-BS1) LCS — Prepared: 12/28/2021 Analyzed: 12/30/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
4,4'-DDD	0.0183	0.00164	mg/kg wet	0.0332		55.0	40-140				
4,4'-DDE	0.0137	0.00164	"	0.0332		41.1	40-140				
4,4'-DDT	0.0147	0.00164	"	0.0332		44.2	40-140				
Aldrin	0.0347	0.00164	"	0.0332		104	40-140				
alpha-BHC	0.0263	0.00164	"	0.0332		79.0	40-140				
alpha-Chlordane	0.0279	0.00164	"	0.0332		84.1	40-140				
beta-BHC	0.0188	0.00164	"	0.0332		56.7	40-140				
delta-BHC	0.0173	0.00164	"	0.0332		51.9	40-140				
Dieldrin	0.0275	0.00164	"	0.0332		82.9	40-140				
Endosulfan I	0.0404	0.00164	"	0.0332		122	40-140				
Endosulfan II	0.0264	0.00164	"	0.0332		79.5	40-140				
Endosulfan sulfate	0.0214	0.00164	"	0.0332		64.3	40-140				
Endrin	0.0135	0.00164	"	0.0332		40.7	40-140				
Endrin aldehyde	0.0251	0.00164	"	0.0332		75.7	40-140				
Endrin ketone	0.0239	0.00164	"	0.0332		72.0	40-140				
gamma-BHC (Lindane)	0.0269	0.00164	"	0.0332		81.1	40-140				
gamma-Chlordane	0.0286	0.00164	"	0.0332		86.2	40-140				
Heptachlor	0.0185	0.00164	"	0.0332		55.7	40-140				
Heptachlor epoxide	0.0290	0.00164	"	0.0332		87.1	40-140				
Methoxychlor	0.0295	0.00164	"	0.0332		88.9	40-140				
Surrogate: Decachlorobiphenyl	*0.0564*		*"*	*0.0664*		*84.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0536*		*"*	*0.0664*		*80.7*	*30-150*				

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 BL12914 - EPA 3550C											
Blank (BL12914-BLK2) Blank							Prepared: 12/28/2021 Analyzed: 12/29/2021				
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	*0.0505*		*"*	*0.0664*		*76.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0382*		*"*	*0.0664*		*57.5*	*30-120*				
LCS (BL12914-BS2) LCS							Prepared: 12/28/2021 Analyzed: 12/29/2021				
Aroclor 1016	0.263	0.0166	mg/kg wet	0.332		79.3	40-130				
Aroclor 1260	0.240	0.0166	"	0.332		72.4	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0462*		*"*	*0.0664*		*69.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0355*		*"*	*0.0664*		*53.5*	*30-120*				
Matrix Spike (BL12914-MS2) Matrix Spike *Source sample: 21L1036-04 (Matrix Spike)							Prepared: 12/28/2021 Analyzed: 12/30/2021				
Aroclor 1016	0.295	0.0177	mg/kg dry	0.354	ND	83.5	40-140				
Aroclor 1260	0.265	0.0177	"	0.354	ND	74.9	40-140				
Surrogate: Tetrachloro-m-xylene	*0.0538*		*"*	*0.0708*		*76.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0393*		*"*	*0.0708*		*55.5*	*30-120*				
Matrix Spike Dup (BL12914-M Matrix Spike Dup *Source sample: 21L1036-04 (Matrix Spike Dup)							Prepared: 12/28/2021 Analyzed: 12/30/2021				
Aroclor 1016	0.306	0.0177	mg/kg dry	0.354	ND	86.3	40-140		3.39	50	
Aroclor 1260	0.279	0.0177	"	0.354	ND	79.0	40-140		5.30	50	
Surrogate: Tetrachloro-m-xylene	*0.0552*		*"*	*0.0708*		*78.0*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0410*		*"*	*0.0708*		*58.0*	*30-120*				

Chlorinated Herbicides 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 BA21132 - EPA 3550C/8151A											
Blank (BA21132-BLK1) Blank							Prepared & Analyzed: 01/03/2022				
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.316*		*"*	*0.415*		*76.0*	*21-150*				
LCS (BA21132-BS1) LCS							Prepared & Analyzed: 01/03/2022				
2,4,5-T	0.101	0.0199	mg/kg wet	0.133		76.2	10-120				
2,4,5-TP (Silvex)	0.101	0.0199	"	0.133		76.2	10-120				
2,4-D	0.106	0.0199	"	0.133		80.0	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.339*		*"*	*0.415*		*81.6*	*21-150*				
Matrix Spike (BA21132-MS1) Matrix Spike *Source sample: 21L1138-07 (Matrix Spike)							Prepared & Analyzed: 01/03/2022				
2,4,5-T	0.101	0.0206	mg/kg dry	0.137	ND	73.7	10-120				
2,4,5-TP (Silvex)	0.0986	0.0206	"	0.137	ND	71.9	10-120				
2,4-D	0.105	0.0206	"	0.137	ND	76.2	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.326*		*"*	*0.429*		*76.0*	*21-150*				
Matrix Spike Dup (BA21132-M Matrix Spike Dup *Source sample: 21L1138-07 (Matrix Spike Dup)							Prepared & Analyzed: 01/03/2022				
2,4,5-T	0.111	0.0206	mg/kg dry	0.137	ND	81.2	10-120		9.68	35	
2,4,5-TP (Silvex)	0.108	0.0206	"	0.137	ND	78.7	10-120		9.13	35	
2,4-D	0.118	0.0206	"	0.137	ND	86.3	10-118		12.3	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.341*		*"*	*0.429*		*79.6*	*21-150*				
Batch BL12955 - EPA 3550C/8151A											
Blank (BL12955-BLK1) Blank							Prepared & Analyzed: 12/29/2021				
2,4,5-T	ND	0.0199	mg/kg wet								
2,4,5-TP (Silvex)	ND	0.0199	"								
2,4-D	ND	0.0199	"								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.381*		*"*	*0.415*		*91.8*	*21-150*				

Chlorinated Herbicides 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 BL12955 - EPA 3550C/8151A											
LCS (BL12955-BS1) LCS							Prepared & Analyzed: 12/29/2021				
2,4,5-T	0.0880	0.0199	mg/kg wet	0.133		66.2	10-120				
2,4,5-TP (Silvex)	0.0939	0.0199	"	0.133		70.6	10-120				
2,4-D	0.0947	0.0199	"	0.133		71.2	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.404*		*"*	*0.415*		*97.2*	*21-150*				
Matrix Spike (BL12955-MS1) Matrix Spike *Source sample: 21L1131-09 (Matrix Spike)							Prepared & Analyzed: 12/29/2021				
2,4,5-T	0.136	0.0204	mg/kg dry	0.136	ND	100	10-120				
2,4,5-TP (Silvex)	0.130	0.0204	"	0.136	ND	95.6	10-120				
2,4-D	0.144	0.0204	"	0.136	ND	106	10-118				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.438*		*"*	*0.424*		*103*	*21-150*				
Matrix Spike Dup (BL12955-M Matrix Spike Dup *Source sample: 21L1131-09 (Matrix Spike Dup)							Prepared & Analyzed: 12/29/2021				
2,4,5-T	0.141	0.0204	mg/kg dry	0.136	ND	104	10-120		3.68	35	
2,4,5-TP (Silvex)	0.137	0.0204	"	0.136	ND	101	10-120		5.10	35	
2,4-D	0.150	0.0204	"	0.136	ND	111	10-118		4.03	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	*0.456*		*"*	*0.424*		*108*	*21-150*				

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
Batch BL12672 - EPA 3050B											
Blank (BL12672-BLK1) Blank								Prepared: 12/22/2021 Analyzed: 12/27/2021			
Aluminum	6.76	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	10.9	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	ND	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BL12672-DUP1) Duplicate *Source sample: 21L1152-04 (Duplicate)								Prepared: 12/22/2021 Analyzed: 12/27/2021			
Aluminum	11700	5.72	mg/kg dry		9900				16.7	35	
Antimony	ND	2.86	"		ND					35	
Arsenic	5.00	1.72	"		6.16				20.8	35	
Barium	62.0	2.86	"		51.7				18.1	35	
Beryllium	ND	0.057	"		ND					35	
Cadmium	ND	0.343	"		ND					35	
Calcium	22900	5.72	"		29600				25.5	35	
Chromium	21.7	0.572	"		21.7				0.0154	35	
Cobalt	9.76	0.458	"		8.75				10.9	35	
Copper	18.9	2.29	"		17.7				6.64	35	
Iron	16400	28.6	"		14900				9.80	35	
Lead	23.7	0.572	"		19.6				18.9	35	
Magnesium	3430	5.72	"		6040				55.1	35	Non-dir.
Manganese	329	0.572	"		279				16.4	35	
Nickel	16.7	1.14	"		15.1				9.48	35	
Potassium	1350	5.72	"		1090				21.4	35	
Selenium	ND	2.86	"		ND					35	
Silver	0.662	0.572	"		0.721				8.61	35	
Sodium	170	57.2	"		164				3.38	35	
Thallium	ND	2.86	"		ND					35	
Vanadium	28.6	1.14	"		25.6				10.9	35	
Zinc	52.2	2.86	"		51.5				1.32	35	

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
Batch BL12672 - EPA 3050B											
Matrix Spike (BL12672-MS1) Matrix Spike	*Source sample: 21L1152-04 (Matrix Spike)							Prepared: 12/22/2021 Analyzed: 12/27/2021			
Aluminum	10800	5.72	mg/kg dry	229	9900	394	75-125	High Bias			
Antimony	9.56	2.86	"	28.6	ND	33.4	75-125	Low Bias			
Arsenic	245	1.72	"	229	6.16	104	75-125				
Barium	320	2.86	"	229	51.7	117	75-125				
Beryllium	5.13	0.057	"	5.72	ND	89.6	75-125				
Cadmium	6.39	0.343	"	5.72	ND	112	75-125				
Calcium	25400	5.72	"	114	29600	NR	75-125	Low Bias			
Chromium	44.6	0.572	"	22.9	21.7	99.8	75-125				
Cobalt	72.9	0.458	"	57.2	8.75	112	75-125				
Copper	50.2	2.29	"	28.6	17.7	114	75-125				
Iron	15000	28.6	"	114	14900	112	75-125				
Lead	83.7	0.572	"	57.2	19.6	112	75-125				
Magnesium	3540	5.72	"	114	6040	NR	75-125	Low Bias			
Manganese	371	0.572	"	57.2	279	161	75-125	High Bias			
Nickel	77.6	1.14	"	57.2	15.1	109	75-125				
Potassium	1380	5.72	"	114	1090	253	75-125	High Bias			
Selenium	206	2.86	"	229	ND	90.1	75-125				
Silver	6.49	0.572	"	5.72	0.721	101	75-125				
Sodium	302	57.2	"	114	164	121	75-125				
Thallium	225	2.86	"	229	ND	98.5	75-125				
Vanadium	88.9	1.14	"	57.2	25.6	111	75-125				
Zinc	105	2.86	"	57.2	51.5	93.1	75-125				
Post Spike (BL12672-PS1) Post Spike	*Source sample: 21L1152-04 (Post Spike)							Prepared: 12/22/2021 Analyzed: 12/27/2021			
Aluminum	86.7		ug/mL	2.00	86.5	8.73	75-125	Low Bias			
Antimony	0.294		"	0.250	0.006	115	75-125				
Arsenic	2.24		"	2.00	0.054	109	75-125				
Barium	2.78		"	2.00	0.452	116	75-125				
Beryllium	0.047		"	0.0500	-0.008	94.8	75-125				
Cadmium	0.057		"	0.0500	0.003	108	75-125				
Calcium	253		"	1.00	259	NR	75-125	Low Bias			
Chromium	0.406		"	0.200	0.190	108	75-125				
Cobalt	0.620		"	0.500	0.076	109	75-125				
Copper	0.443		"	0.250	0.154	115	75-125				
Iron	140		"	1.00	130	957	75-125	High Bias			
Lead	0.738		"	0.500	0.172	113	75-125				
Magnesium	57.8		"	1.00	52.8	501	75-125	High Bias			
Manganese	2.95		"	0.500	2.44	102	75-125				
Nickel	0.690		"	0.500	0.132	111	75-125				
Potassium	11.4		"	1.00	9.54	191	75-125	High Bias			
Selenium	1.93		"	2.00	-0.038	96.7	75-125				
Silver	0.031		"	0.0500	0.006	50.0	75-125	Low Bias			
Sodium	2.75		"	1.00	1.43	132	75-125	High Bias			
Thallium	2.03		"	2.00	-0.042	102	75-125				
Vanadium	0.793		"	0.500	0.224	114	75-125				
Zinc	0.943		"	0.500	0.450	98.6	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
Batch BL12672 - EPA 3050B											
Reference (BL12672-SRM1) Reference									Prepared: 12/22/2021 Analyzed: 12/27/2021		
Aluminum	9200	5.00	mg/kg wet	8130		113	49.9-150.1				
Antimony	78.5	2.50	"	134		58.6	19.3-250				
Arsenic	160	1.50	"	156		103	69.9-130.1				
Barium	257	2.50	"	239		107	74.9-124.7				
Beryllium	167	0.050	"	169		98.6	75.1-125.4				
Cadmium	133	0.300	"	137		96.8	75.2-124.8				
Calcium	5190	5.00	"	4760		109	72.7-127.5				
Chromium	152	0.500	"	154		98.7	70.1-129.9				
Cobalt	120	0.400	"	121		99.6	75-124.8				
Copper	59.9	2.00	"	54.9		109	74.9-125				
Iron	10500	25.0	"	14100		74.2	34.9-164.5				
Lead	131	0.500	"	130		101	71.8-128.5				
Magnesium	1600	5.00	"	2320		68.9	62.1-137.9				
Manganese	285	0.500	"	269		106	74-126.4				
Nickel	66.4	1.00	"	53.9		123	69.9-129.9				
Potassium	1420	5.00	"	2020		70.1	58.9-141.1				
Selenium	144	2.50	"	167		86.3	67.7-132.3				
Silver	33.3	0.500	"	33.6		99.2	68.5-131.3				
Sodium	97.7	50.0	"	133		73.4	35-165.4				
Thallium	104	2.50	"	112		93.0	67.9-131.3				
Vanadium	66.0	1.00	"	62.6		105	59.1-141.1				
Zinc	151	2.50	"	158		95.3	70.3-129.7				

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 BL12791 - EPA 7473 soil											
Blank (BL12791-BLK1) Blank								Prepared & Analyzed: 12/27/2021			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BL12791-DUP1) Duplicate	*Source sample: 21L1036-06 (Duplicate)							Prepared & Analyzed: 12/27/2021			
Mercury	0.805	0.0342	mg/kg dry		0.900				11.1	35	
Matrix Spike (BL12791-MS1) Matrix Spike	*Source sample: 21L1036-06 (Matrix Spike)							Prepared & Analyzed: 12/27/2021			
Mercury	1.30		mg/kg	0.500	0.789	102	75-125				
Reference (BL12791-SRM1) Reference								Prepared & Analyzed: 12/27/2021			
Mercury	30.634		mg/kg	27.2		113	59.9-140.1				

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 BL12753 - EPA SW846-3060												
Blank (BL12753-BLK1)	Blank								Prepared & Analyzed: 12/23/2021			
Chromium, Hexavalent		ND	0.500	mg/kg wet								
Duplicate (BL12753-DUP1)	Duplicate	*Source sample: 21L1036-04 (Duplicate)							Prepared & Analyzed: 12/23/2021			
Chromium, Hexavalent		ND	0.533	mg/kg dry		ND					35	
Matrix Spike (BL12753-MS1)	Matrix Spike	*Source sample: 21L1036-04 (Matrix Spike)							Prepared & Analyzed: 12/23/2021			
Chromium, Hexavalent		21.6	0.533	mg/kg dry	21.3	ND	101	75-125				
Reference (BL12753-SRM1)	Reference								Prepared & Analyzed: 12/23/2021			
Chromium, Hexavalent		70.6		mg/L	109		64.8	30-169.7				
Batch BL12819 - Analysis Preparation Soil												
Blank (BL12819-BLK1)	Blank								Prepared: 12/27/2021 Analyzed: 12/29/2021			
Cyanide, total		ND	0.500	mg/kg wet								
Duplicate (BL12819-DUP1)	Duplicate	*Source sample: 21L1036-04 (Duplicate)							Prepared: 12/27/2021 Analyzed: 12/29/2021			
Cyanide, total		ND	0.533	mg/kg dry		ND					15	
Matrix Spike (BL12819-MS1)	Matrix Spike	*Source sample: 21L1036-04 (Matrix Spike)							Prepared: 12/27/2021 Analyzed: 12/29/2021			
Cyanide, total		11.3	0.533	mg/kg dry	10.7	ND	106	79.6-107				
Reference (BL12819-SRM1)	Reference								Prepared: 12/27/2021 Analyzed: 12/29/2021			
Cyanide, total		102		ug/mL	91.9		111	42.22-159.96				

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 BL12876 - % Solids Prep											
Duplicate (BL12876-DUP1) Duplicate	*Source sample: 21L1075-04 (Duplicate)							Prepared & Analyzed: 12/28/2021			
% Solids	97.8	0.100	%		97.6				0.199	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21L1050-01	EP03_0-2_121721	40mL Vial with Stir Bar-Cool 4° C
21L1050-02	EP11_0-2_121721	40mL Vial with Stir Bar-Cool 4° C
21L1050-03	EP15_0-2_121721	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

S-08	The recovery of this surrogate was outside of QC limits.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
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.
PF-LCS-H	The LCS recovery was slightly above acceptable limits for the qualified compound. However, sample results are not biased high because results are corrected for isotope recovery.
PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogenieity of the sample verses the native sample
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
HT-01R	This flag indicates that the sample was initially analyzed within recommended hold time and that a re-run was performed outside of the hold time.
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
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

YORK ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

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

YORK Project No. 21L1050

Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan DPC	Company:	Company:	170420201	RUSH - Next Day
Address: 360 W. 31st St, NY, NY 10001	Address:	Address:	YOUR Project Name: 459 Smith St.	RUSH - Two Day
Phone: 212 479 5400	Phone:	Phone:		RUSH - Three Day
Contact: Joseph Yanowitz	Contact:	Contact:		RUSH - Four Day
E-mail: jyanowitz@langan.com	E-mail:	E-mail:	YOUR PO#:	Standard (5-7 Day) X

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

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

Matrix Codes	Samples From	Report / EDD Type (circle selections)			YORK Reg. Comp.
S - soil / solid	New York X	Summary Report	CT RCP	Standard Excel EDD	Compared to the following Regulation(s): (please fill in)
GW - groundwater	New Jersey	QA Report	CT RCP DQA/DUE	EQuIS (Standard)	
DW - drinking water	Connecticut	NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS	
WW - wastewater	Pennsylvania	NY ASP B Package		NJDEP SRP HazSite	
O - Oil ⋮ Other	Other		NJDKQP	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
EP03 - 0-2 - 121721	S	12/17/21 0805	[Part 375 VOCs, SVOCs, PCBs, TAL metals (including hex/trichromium), cyanide, pesticide/Herbicide, PFAS, 1,4-Dioxane]	
EP11 - 0-2 - 121721		0910		
EP15 - 0-2 - 121721		0950		
EP03 - 3-5 - 121721		0815	PFAS, 1-4-Dioxane	
EP11 - 4-6 - 121721		0916		
EP15 - 7-9 - 121721		1000		

Comments:
include Paul McMahon, pmcmahon@langan.com

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

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Andrew Nesci/Langan	12/17/21 15:45	Andrew S. York	12/17/21 15:45	Andrew S. York	12/17/21 0:30
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Gilbert C	12/17/21 6:50	Gilbert C	12/17/21 2127		
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				K Blackburn	12/17/21 / 2127

Temp. Received at Lab: 4.8 Degrees C

Technical Report

prepared for:

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

Report Date: 12/27/2021
Client Project ID: 170420201
York Project (SDG) No.: 21L1065

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

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

Report Date: 12/27/2021
Client Project ID: 170420201
York Project (SDG) No.: 21L1065

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

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 December 17, 2021 and listed below. The project was identified as your project: **170420201**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L1065-01	SV02_121721	Soil Vapor	12/17/2021	12/17/2021
21L1065-02	SV03_121721	Soil Vapor	12/17/2021	12/17/2021
21L1065-03	SV04_121721	Soil Vapor	12/17/2021	12/17/2021
21L1065-04	SV05_121721	Soil Vapor	12/17/2021	12/17/2021
21L1065-05	SV06_121721	Soil Vapor	12/17/2021	12/17/2021
21L1065-06	SV07_121721	Soil Vapor	12/17/2021	12/17/2021
21L1065-07	SV08_121721	Soil Vapor	12/17/2021	12/17/2021
21L1065-08	SV01_121721	Soil Vapor	12/17/2021	12/17/2021

General Notes for York Project (SDG) No.: 21L1065

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

Approved By **Date:** 12/27/2021

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **SV02_121721** **York Sample ID:** **21L1065-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List

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

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	5.80	8.455	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 12:06	LLJ
71-55-6	**1,1,1-Trichloroethane**	**4.61**		ug/m³	4.61	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	5.80	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	6.48	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	4.61	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	3.42	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.68	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	6.27	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
95-63-6	**1,2,4-Trimethylbenzene**	**7.07**		ug/m³	4.16	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	6.50	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	5.08	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	3.42	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	3.91	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	5.91	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	4.16	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	5.61	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
541-73-1	**1,3-Dichlorobenzene**	**10.2**		ug/m³	5.08	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	3.91	8.455	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 12:06	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	5.08	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	6.09	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
78-93-3	**2-Butanone**	**85.0**		ug/m³	2.49	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ

Sample Information

Client Sample ID: **SV02_121721** **York Sample ID:** **21L1065-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 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**	**14.5**		ug/m³	6.93	8.455	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 12:06	LLJ
107-05-1	3-Chloropropene	ND		ug/m³	13.2	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	3.46	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
67-64-1	**Acetone**	**121**		ug/m³	4.02	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
107-13-1	Acrylonitrile	ND		ug/m³	1.83	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
71-43-2	**Benzene**	**113**		ug/m³	2.70	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
100-44-7	Benzyl chloride	ND		ug/m³	4.38	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
75-27-4	Bromodichloromethane	ND		ug/m³	5.66	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
75-25-2	Bromoform	ND		ug/m³	8.74	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
74-83-9	Bromomethane	ND		ug/m³	3.28	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
75-15-0	**Carbon disulfide**	**3.95**		ug/m³	2.63	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
56-23-5	Carbon tetrachloride	ND		ug/m³	1.33	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
108-90-7	Chlorobenzene	ND		ug/m³	3.89	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
75-00-3	Chloroethane	ND		ug/m³	2.23	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
67-66-3	Chloroform	ND		ug/m³	4.13	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
74-87-3	Chloromethane	ND		ug/m³	1.75	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
156-59-2	**cis-1,2-Dichloroethylene**	**2.01**		ug/m³	1.68	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	3.84	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
110-82-7	Cyclohexane	ND		ug/m³	2.91	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
124-48-1	Dibromochloromethane	ND		ug/m³	7.20	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
75-71-8	Dichlorodifluoromethane	ND		ug/m³	4.18	8.455	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 12:06	LLJ
141-78-6	* Ethyl acetate	ND		ug/m³	6.09	8.455	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 12:06	LLJ

Sample Information

Client Sample ID: **SV02_121721** **York Sample ID:** **21L1065-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 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**	**16.9**		ug/m³	3.67	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
87-68-3	Hexachlorobutadiene	ND		ug/m³	9.02	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**6.44**		ug/m³	4.16	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	3.46	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	3.05	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**6.17**		ug/m³	5.87	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**59.3**		ug/m³	3.47	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**30.1**		ug/m³	2.98	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**23.5**		ug/m³	3.67	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**49.2**		ug/m³	7.34	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**9.98**		ug/m³	4.16	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications:			
115-07-1	*** Propylene**	**30.1**		ug/m³	1.46	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	3.60	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**2200**		ug/m³	5.73	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	4.99	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications:			
108-88-3	**Toluene**	**79.7**		ug/m³	3.19	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	3.35	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	3.84	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**13.2**		ug/m³	1.14	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	4.75	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	2.98	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	3.70	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **SV02_121721** **York Sample ID:** **21L1065-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 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/m³	1.08	8.455	EPA TO-15	12/23/2021 22:36	12/24/2021 12:06	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SV03_121721 **York Sample ID:** 21L1065-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List

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

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	5.02	7.312	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 21:09	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	3.99	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	5.02	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	5.60	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	3.99	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
75-34-3	**1,1-Dichloroethane**	**6.51**		ug/m³	2.96	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.45	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	5.43	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
95-63-6	1,2,4-Trimethylbenzene	ND		ug/m³	3.59	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	5.62	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	4.40	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	2.96	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	3.38	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	5.11	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	3.59	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	4.85	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	4.40	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	3.38	7.312	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 21:09	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	4.40	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	5.27	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
78-93-3	2-Butanone	ND		ug/m³	2.16	7.312	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 21:09	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	5.99	7.312	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 21:09	LLJ

Sample Information

Client Sample ID: **SV03_121721** **York Sample ID:** **21L1065-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List

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

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	11.4	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	3.00	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**30.6**		ug/m³	3.47	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	1.59	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**10.7**		ug/m³	2.34	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	3.79	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	4.90	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	7.56	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	2.84	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**22.5**		ug/m³	2.28	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND		ug/m³	1.15	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	3.37	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	1.93	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	**Chloroform**	**7.50**		ug/m³	3.57	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	1.51	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	**cis-1,2-Dichloroethylene**	**11.9**		ug/m³	1.45	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	3.32	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**69.5**		ug/m³	2.52	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	6.23	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	Dichlorodifluoromethane	ND		ug/m³	3.62	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	5.27	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:			
100-41-4	Ethyl Benzene	ND		ug/m³	3.18	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SV03_121721 **York Sample ID:** 21L1065-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 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
87-68-3	Hexachlorobutadiene	ND		ug/m³	7.80	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**4.13**		ug/m³	3.59	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	2.99	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	2.64	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	**Methylene chloride**	**7.11**		ug/m³	5.08	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	n-Heptane	ND		ug/m³	3.00	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**27.8**		ug/m³	2.58	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	o-Xylene	ND		ug/m³	3.17	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	p- & m- Xylenes	ND		ug/m³	6.35	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	* p-Ethyltoluene	ND		ug/m³	3.59	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	1.26	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	3.11	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	Tetrachloroethylene	ND		ug/m³	4.96	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	4.31	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:			
108-88-3	**Toluene**	**5.79**		ug/m³	2.76	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	2.90	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	3.32	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	0.982	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	4.11	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	2.57	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	3.20	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	**Vinyl Chloride**	**43.2**		ug/m³	0.935	7.312	EPA TO-15	12/23/2021 22:36	12/24/2021 21:09	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SV03_121721** **York Sample ID:** **21L1065-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Sample Information

Client Sample ID: **SV04_121721** **York Sample ID:** **21L1065-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List **Log-in Notes:** **Sample Notes:** **TO-VAC**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	4.02	5.856	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 14:03	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	3.20	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	4.02	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	4.49	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	3.20	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	2.37	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	1.16	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	4.35	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
95-63-6	**1,2,4-Trimethylbenzene**	**45.8**		ug/m³	2.88	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	4.50	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	3.52	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	2.37	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	2.71	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	4.09	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
108-67-8	**1,3,5-Trimethylbenzene**	**13.8**		ug/m³	2.88	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	3.89	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	3.52	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	2.71	5.856	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 14:03	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	3.52	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	4.22	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
78-93-3	**2-Butanone**	**12.3**		ug/m³	1.73	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	4.80	5.856	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 14:03	LLJ

Sample Information

Client Sample ID: **SV04_121721** **York Sample ID:** **21L1065-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List **Log-in Notes:** **Sample Notes:** **TO-VAC**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	9.16	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	2.40	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**43.7**		ug/m³	2.78	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	1.27	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**14.6**		ug/m³	1.87	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	3.03	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	3.92	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	6.05	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	2.27	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**54.3**		ug/m³	1.82	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND		ug/m³	0.921	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	2.70	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	1.55	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	2.86	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	1.21	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	1.16	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	2.66	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**4.84**		ug/m³	2.02	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	4.99	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.90**		ug/m³	2.90	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	4.22	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**29.2**		ug/m³	2.54	5.856	EPA TO-15	12/23/2021 22:36	12/24/2021 14:03	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SV04_121721** **York Sample ID:** **21L1065-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List **Log-in Notes:** **Sample Notes:** **TO-VAC**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	6.25	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
67-63-0	Isopropanol	ND		ug/m³	2.88	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m³	2.40	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	2.11	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
75-09-2	Methylene chloride	ND		ug/m³	4.07	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
142-82-5	**n-Heptane**	**6.48**		ug/m³	2.40	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
110-54-3	**n-Hexane**	**12.6**		ug/m³	2.06	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
95-47-6	**o-Xylene**	**23.4**		ug/m³	2.54	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
179601-23-1	**p- & m- Xylenes**	**20.8**		ug/m³	5.09	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
622-96-8	*** p-Ethyltoluene**	**34.8**		ug/m³	2.88	5.856	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 14:03	LLJ
115-07-1	*** Propylene**	**304**		ug/m³	1.01	5.856	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 14:03	LLJ
100-42-5	Styrene	ND		ug/m³	2.49	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
127-18-4	Tetrachloroethylene	ND		ug/m³	3.97	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	3.45	5.856	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 14:03	LLJ
108-88-3	**Toluene**	**10.6**		ug/m³	2.21	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	2.32	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	2.66	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
79-01-6	Trichloroethylene	ND		ug/m³	0.787	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	3.29	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	2.06	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	2.56	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	0.748	5.856	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 14:03	LLJ

Sample Information

Client Sample ID: **SV04_121721** **York Sample ID:** **21L1065-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Sample Information

Client Sample ID: **SV05_121721** **York Sample ID:** **21L1065-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	12.1	17.66	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 15:00	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	9.64	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	12.1	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	13.5	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	9.64	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	7.15	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	3.50	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	13.1	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
95-63-6	**1,2,4-Trimethylbenzene**	**82.5**		ug/m³	8.68	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	13.6	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	10.6	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	7.15	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	8.16	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	12.3	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
108-67-8	**1,3,5-Trimethylbenzene**	**44.3**		ug/m³	8.68	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	11.7	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	10.6	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	8.16	17.66	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 15:00	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	10.6	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	12.7	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
78-93-3	2-Butanone	ND		ug/m³	5.21	17.66	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 15:00	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	14.5	17.66	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 15:00	LLJ

Sample Information

Client Sample ID: **SV05_121721** **York Sample ID:** **21L1065-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List

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

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	27.6	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	7.23	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**52.9**		ug/m³	8.39	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	3.83	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**3330**		ug/m³	11.3	35.32	EPA TO-15	12/23/2021 22:36	12/24/2021 15:56	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	9.14	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	11.8	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	18.3	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	6.86	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**42.9**		ug/m³	5.50	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND		ug/m³	2.78	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	8.13	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	4.66	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	8.62	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	3.65	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	3.50	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	8.02	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**286**		ug/m³	6.08	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	15.0	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	Dichlorodifluoromethane	ND		ug/m³	8.73	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	12.7	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**998**		ug/m³	7.67	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SV05_121721** **York Sample ID:** **21L1065-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 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
87-68-3	Hexachlorobutadiene	ND		ug/m³	18.8	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	Isopropanol	ND		ug/m³	8.68	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	7.23	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	6.37	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	Methylene chloride	ND		ug/m³	12.3	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**143**		ug/m³	7.24	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**301**		ug/m³	6.22	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**597**		ug/m³	7.67	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**650**		ug/m³	15.3	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**233**		ug/m³	8.68	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:			
115-07-1	*** Propylene**	**543**		ug/m³	3.04	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	7.52	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	Tetrachloroethylene	ND		ug/m³	12.0	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	10.4	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:			
108-88-3	**Toluene**	**340**		ug/m³	6.66	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	7.00	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	8.02	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	2.37	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	9.92	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	6.22	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	7.72	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	2.26	17.66	EPA TO-15	12/23/2021 22:36	12/24/2021 15:00	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SV05_121721** **York Sample ID:** **21L1065-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Sample Information

Client Sample ID: **SV06_121721** **York Sample ID:** **21L1065-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List

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

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	10.9	15.94	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 16:52	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	8.70	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	10.9	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	12.2	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	8.70	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	6.45	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	3.16	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	11.8	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
95-63-6	**1,2,4-Trimethylbenzene**	**2470**		ug/m³	7.84	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	12.2	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	9.58	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	6.45	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	7.37	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	11.1	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
108-67-8	**1,3,5-Trimethylbenzene**	**740**		ug/m³	7.84	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	10.6	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	9.58	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	7.37	15.94	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 16:52	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	9.58	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	11.5	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
78-93-3	**2-Butanone**	**16.9**		ug/m³	4.70	15.94	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 16:52	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	13.1	15.94	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 16:52	LLJ

Sample Information

Client Sample ID: **SV06_121721** **York Sample ID:** **21L1065-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List

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

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	24.9	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	6.53	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**121**		ug/m³	7.57	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	3.46	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**517**		ug/m³	5.09	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	8.25	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	10.7	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	16.5	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	6.19	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**224**		ug/m³	4.96	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND		ug/m³	2.51	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	7.34	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	4.21	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	7.78	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	3.29	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	3.16	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	7.23	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**444**		ug/m³	5.49	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	13.6	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	Dichlorodifluoromethane	ND		ug/m³	7.88	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	11.5	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**5160**		ug/m³	13.8	31.88	EPA TO-15	12/23/2021 22:36	12/24/2021 17:49	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SV06_121721** **York Sample ID:** **21L1065-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 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
87-68-3	Hexachlorobutadiene	ND		ug/m³	17.0	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	Isopropanol	ND		ug/m³	7.84	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	6.53	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	5.75	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	Methylene chloride	ND		ug/m³	11.1	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**365**		ug/m³	6.53	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**392**		ug/m³	5.62	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**1180**		ug/m³	6.92	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**894**		ug/m³	13.8	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**1400**		ug/m³	7.84	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	2.74	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	6.79	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**14.1**		ug/m³	10.8	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	9.40	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:			
108-88-3	**Toluene**	**214**		ug/m³	6.01	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	6.32	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	7.23	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	Trichloroethylene	ND		ug/m³	2.14	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	8.96	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	5.61	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	6.97	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	2.04	15.94	EPA TO-15	12/23/2021 22:36	12/24/2021 16:52	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SV06_121721** **York Sample ID:** **21L1065-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Sample Information

Client Sample ID: SV07_121721 **York Sample ID:** 21L1065-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List **Log-in Notes:** **Sample Notes:** TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	10.1	14.64	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 18:45	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	7.99	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	10.1	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	11.2	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	7.99	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	5.93	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	2.90	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	10.9	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
95-63-6	**1,2,4-Trimethylbenzene**	**2940**		ug/m³	7.20	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	11.2	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	8.80	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	5.92	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	6.76	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	10.2	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
108-67-8	**1,3,5-Trimethylbenzene**	**1000**		ug/m³	7.20	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	9.72	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	8.80	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	6.77	14.64	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 18:45	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	8.80	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	10.6	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
78-93-3	**2-Butanone**	**32.0**		ug/m³	4.32	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	12.0	14.64	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 18:45	LLJ

Sample Information

Client Sample ID: **SV07_121721** **York Sample ID:** **21L1065-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List **Log-in Notes:** **Sample Notes:** **TO-VAC**

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	22.9	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	6.00	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**145**		ug/m³	6.96	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	3.18	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**817**		ug/m³	4.68	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	7.58	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	9.81	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	15.1	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	5.68	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**204**		ug/m³	4.56	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND		ug/m³	2.30	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	6.74	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	3.86	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	7.15	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	3.02	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	2.90	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	6.64	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**222**		ug/m³	5.04	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	12.5	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	Dichlorodifluoromethane	ND		ug/m³	7.24	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	10.6	14.64	EPA TO-15	12/23/2021 22:36	12/24/2021 18:45	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**6050**		ug/m³	12.7	29.28	EPA TO-15	12/23/2021 22:36	12/24/2021 19:34	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: SV07_121721 **York Sample ID:** 21L1065-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List **Log-in Notes:** **Sample Notes:** TO-VAC

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/m³	15.6	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
67-63-0	Isopropanol	ND		ug/m³	7.20	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
80-62-6	Methyl Methacrylate	ND		ug/m³	5.99	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	5.28	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
75-09-2	Methylene chloride	ND		ug/m³	10.2	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
142-82-5	**n-Heptane**	**274**		ug/m³	6.00	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
110-54-3	**n-Hexane**	**362**		ug/m³	5.16	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
95-47-6	**o-Xylene**	**1090**		ug/m³	6.36	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
179601-23-1	**p- & m- Xylenes**	**930**		ug/m³	12.7	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
622-96-8	*** p-Ethyltoluene**	**1090**		ug/m³	7.20	14.64	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 18:45	LLJ
115-07-1	* Propylene	ND		ug/m³	2.52	14.64	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 18:45	LLJ
100-42-5	Styrene	ND		ug/m³	6.24	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
127-18-4	**Tetrachloroethylene**	**19.9**		ug/m³	9.93	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
109-99-9	* Tetrahydrofuran	ND		ug/m³	8.64	14.64	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 18:45	LLJ
108-88-3	**Toluene**	**221**		ug/m³	5.52	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	5.80	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	6.64	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
79-01-6	Trichloroethylene	ND		ug/m³	1.97	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	8.23	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
108-05-4	Vinyl acetate	ND		ug/m³	5.15	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
593-60-2	Vinyl bromide	ND		ug/m³	6.40	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ
75-01-4	Vinyl Chloride	ND		ug/m³	1.87	14.64	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 18:45	LLJ

Sample Information

Client Sample ID: **SV07_121721** **York Sample ID:** **21L1065-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Sample Information

Client Sample ID: **SV08_121721** **York Sample ID:** **21L1065-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List

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

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	2.35	3.42	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 22:02	LLJ
71-55-6	1,1,1-Trichloroethane	ND		ug/m³	1.87	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.35	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	2.62	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.87	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
75-34-3	1,1-Dichloroethane	ND		ug/m³	1.38	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
75-35-4	1,1-Dichloroethylene	ND		ug/m³	0.678	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.54	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
95-63-6	**1,2,4-Trimethylbenzene**	**70.6**		ug/m³	1.68	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
106-93-4	1,2-Dibromoethane	ND		ug/m³	2.63	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	2.06	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.38	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.58	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	2.39	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
108-67-8	**1,3,5-Trimethylbenzene**	**37.7**		ug/m³	1.68	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
106-99-0	1,3-Butadiene	ND		ug/m³	2.27	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	2.06	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.58	3.42	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 22:02	LLJ
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	2.06	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
123-91-1	1,4-Dioxane	ND		ug/m³	2.46	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
78-93-3	**2-Butanone**	**3.83**		ug/m³	1.01	3.42	EPA TO-15 Certifications: NELAC-NY12058,NJDEP-Queens	12/23/2021 22:36	12/24/2021 22:02	LLJ
591-78-6	* 2-Hexanone	ND		ug/m³	2.80	3.42	EPA TO-15 Certifications:	12/23/2021 22:36	12/24/2021 22:02	LLJ

Sample Information

Client Sample ID: **SV08_121721** **York Sample ID:** **21L1065-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List

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

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	5.35	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	1.40	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**25.2**		ug/m³	1.62	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.742	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**382**		ug/m³	1.09	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	1.77	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	2.29	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	3.54	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	1.33	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**9.37**		ug/m³	1.07	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND		ug/m³	0.538	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	1.57	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.902	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	Chloroform	ND		ug/m³	1.67	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	0.706	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/m³	0.678	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.55	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**30.3**		ug/m³	1.18	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	2.91	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.54**		ug/m³	1.69	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	2.46	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**97.4**		ug/m³	1.49	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SV08_121721** **York Sample ID:** **21L1065-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 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
87-68-3	Hexachlorobutadiene	ND		ug/m³	3.65	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-63-0	**Isopropanol**	**2.61**		ug/m³	1.68	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
80-62-6	Methyl Methacrylate	ND		ug/m³	1.40	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.23	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-09-2	Methylene chloride	ND		ug/m³	2.38	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-82-5	**n-Heptane**	**30.3**		ug/m³	1.40	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-54-3	**n-Hexane**	**47.7**		ug/m³	1.21	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-47-6	**o-Xylene**	**71.3**		ug/m³	1.48	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
179601-23-1	**p- & m- Xylenes**	**57.5**		ug/m³	2.97	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
622-96-8	*** p-Ethyltoluene**	**76.3**		ug/m³	1.68	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:			
115-07-1	*** Propylene**	**235**		ug/m³	0.589	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	1.46	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
127-18-4	**Tetrachloroethylene**	**3.25**		ug/m³	2.32	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
109-99-9	* Tetrahydrofuran	ND		ug/m³	2.02	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:			
108-88-3	**Toluene**	**130**		ug/m³	1.29	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/m³	1.36	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.55	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-01-6	**Trichloroethylene**	**2.02**		ug/m³	0.459	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	1.92	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-05-4	Vinyl acetate	ND		ug/m³	1.20	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
593-60-2	Vinyl bromide	ND		ug/m³	1.50	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-01-4	Vinyl Chloride	ND		ug/m³	0.437	3.42	EPA TO-15	12/23/2021 22:36	12/24/2021 22:02	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SV08_121721** **York Sample ID:** **21L1065-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Sample Information

Client Sample ID: **SV01_121721** **York Sample ID:** **21L1065-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List

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

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	* 1,1,1,2-Tetrachloroethane	ND		ug/m³	2.34	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:			
71-55-6	**1,1,1-Trichloroethane**	**12.3**		ug/m³	1.86	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/m³	2.34	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/m³	2.61	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
79-00-5	1,1,2-Trichloroethane	ND		ug/m³	1.86	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-34-3	**1,1-Dichloroethane**	**4.14**		ug/m³	1.38	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-35-4	**1,1-Dichloroethylene**	**0.676**		ug/m³	0.676	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/m³	2.53	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-63-6	**1,2,4-Trimethylbenzene**	**2.18**		ug/m³	1.68	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-93-4	1,2-Dibromoethane	ND		ug/m³	2.62	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
95-50-1	1,2-Dichlorobenzene	ND		ug/m³	2.05	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-06-2	1,2-Dichloroethane	ND		ug/m³	1.38	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-87-5	1,2-Dichloropropane	ND		ug/m³	1.58	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
76-14-2	1,2-Dichlorotetrafluoroethane	ND		ug/m³	2.39	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/m³	1.68	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
106-99-0	1,3-Butadiene	ND		ug/m³	2.26	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
541-73-1	1,3-Dichlorobenzene	ND		ug/m³	2.05	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
142-28-9	* 1,3-Dichloropropane	ND		ug/m³	1.58	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:			
106-46-7	1,4-Dichlorobenzene	ND		ug/m³	2.05	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
123-91-1	1,4-Dioxane	ND		ug/m³	2.46	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
78-93-3	**2-Butanone**	**4.73**		ug/m³	1.01	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
591-78-6	* 2-Hexanone	ND		ug/m³	2.80	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:			

Sample Information

Client Sample ID: **SV01_121721** **York Sample ID:** **21L1065-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 Full List

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

Sample Prepared by Method: EPA TO15 PREP

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-05-1	3-Chloropropene	ND		ug/m³	5.34	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-10-1	4-Methyl-2-pentanone	ND		ug/m³	1.40	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-64-1	**Acetone**	**18.7**		ug/m³	1.62	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
107-13-1	Acrylonitrile	ND		ug/m³	0.740	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
71-43-2	**Benzene**	**118**		ug/m³	1.09	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
100-44-7	Benzyl chloride	ND		ug/m³	1.77	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-27-4	Bromodichloromethane	ND		ug/m³	2.29	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-25-2	Bromoform	ND		ug/m³	3.53	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-83-9	Bromomethane	ND		ug/m³	1.32	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-15-0	**Carbon disulfide**	**37.9**		ug/m³	1.06	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
56-23-5	Carbon tetrachloride	ND		ug/m³	0.537	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
108-90-7	Chlorobenzene	ND		ug/m³	1.57	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-00-3	Chloroethane	ND		ug/m³	0.900	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
67-66-3	**Chloroform**	**5.33**		ug/m³	1.67	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
74-87-3	Chloromethane	ND		ug/m³	0.705	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
156-59-2	**cis-1,2-Dichloroethylene**	**946**		ug/m³	6.76	34.12	EPA TO-15	12/23/2021 22:36	12/24/2021 07:53	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/m³	1.55	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
110-82-7	**Cyclohexane**	**5.75**		ug/m³	1.17	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
124-48-1	Dibromochloromethane	ND		ug/m³	2.91	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
75-71-8	**Dichlorodifluoromethane**	**2.70**		ug/m³	1.69	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		
141-78-6	* Ethyl acetate	ND		ug/m³	2.46	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:			
100-41-4	**Ethyl Benzene**	**6.67**		ug/m³	1.48	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:	NELAC-NY12058,NJDEP-Queens		

Sample Information

Client Sample ID: **SV01_121721** **York Sample ID:** **21L1065-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Volatiles, EPA TO-15 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
87-68-3	Hexachlorobutadiene	ND		ug/m³	3.64	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
67-63-0	**Isopropanol**	**2.68**		ug/m³	1.68	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
80-62-6	Methyl Methacrylate	ND		ug/m³	1.40	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/m³	1.23	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-09-2	**Methylene chloride**	**2.84**		ug/m³	2.37	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
142-82-5	**n-Heptane**	**127**		ug/m³	1.40	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
110-54-3	**n-Hexane**	**180**		ug/m³	1.20	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
95-47-6	**o-Xylene**	**5.04**		ug/m³	1.48	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
179601-23-1	**p- & m- Xylenes**	**12.1**		ug/m³	2.96	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
622-96-8	*** p-Ethyltoluene**	**2.85**		ug/m³	1.68	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:			
115-07-1	* Propylene	ND		ug/m³	0.587	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:			
100-42-5	Styrene	ND		ug/m³	1.45	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
127-18-4	**Tetrachloroethylene**	**25100**		ug/m³	579	853	EPA TO-15	12/23/2021 22:36	12/24/2021 20:19	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
109-99-9	* Tetrahydrofuran	ND		ug/m³	2.01	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications:			
108-88-3	**Toluene**	**31.4**		ug/m³	1.29	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
156-60-5	**trans-1,2-Dichloroethylene**	**25.0**		ug/m³	1.35	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/m³	1.55	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
79-01-6	**Trichloroethylene**	**1900**		ug/m³	4.58	34.12	EPA TO-15	12/23/2021 22:36	12/24/2021 07:53	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-69-4	Trichlorofluoromethane (Freon 11)	ND		ug/m³	1.92	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
108-05-4	Vinyl acetate	ND		ug/m³	1.20	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
593-60-2	Vinyl bromide	ND		ug/m³	1.49	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			
75-01-4	Vinyl Chloride	ND		ug/m³	0.436	3.412	EPA TO-15	12/23/2021 22:36	12/24/2021 03:31	LLJ
							Certifications: NELAC-NY12058,NJDEP-Queens			

Sample Information

Client Sample ID: **SV01_121721** **York Sample ID:** **21L1065-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1065	170420201	Soil Vapor	December 17, 2021 12:49 pm	12/17/2021

Analytical Batch Summary

Batch ID: BL12701 **Preparation Method:** EPA TO15 PREP **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
21L1065-01	SV02_121721	12/23/21
21L1065-02	SV03_121721	12/23/21
21L1065-03	SV04_121721	12/23/21
21L1065-04	SV05_121721	12/23/21
21L1065-04RE1	SV05_121721	12/23/21
21L1065-05	SV06_121721	12/23/21
21L1065-05RE1	SV06_121721	12/23/21
21L1065-06	SV07_121721	12/23/21
21L1065-06RE1	SV07_121721	12/23/21
21L1065-07	SV08_121721	12/23/21
21L1065-08	SV01_121721	12/23/21
21L1065-08RE1	SV01_121721	12/23/21
21L1065-08RE2	SV01_121721	12/23/21
BL12701-BLK1	Blank	12/23/21
BL12701-BS1	LCS	12/23/21

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

York Analytical Laboratories, Inc.

Batch BL12701 - EPA TO15 PREP

Blank (BL12701-BLK1) Blank — Prepared: 12/23/2021 Analyzed: 12/24/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	ND	0.687	ug/m³								
1,1,1-Trichloroethane	ND	0.546	"								
1,1,2,2-Tetrachloroethane	ND	0.687	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.766	"								
1,1,2-Trichloroethane	ND	0.546	"								
1,1-Dichloroethane	ND	0.405	"								
1,1-Dichloroethylene	ND	0.198	"								
1,2,4-Trichlorobenzene	ND	0.742	"								
1,2,4-Trimethylbenzene	ND	0.492	"								
1,2-Dibromoethane	ND	0.768	"								
1,2-Dichlorobenzene	ND	0.601	"								
1,2-Dichloroethane	ND	0.405	"								
1,2-Dichloropropane	ND	0.462	"								
1,2-Dichlorotetrafluoroethane	ND	0.699	"								
1,3,5-Trimethylbenzene	ND	0.492	"								
1,3-Butadiene	ND	0.664	"								
1,3-Dichlorobenzene	ND	0.601	"								
1,3-Dichloropropane	ND	0.462	"								
1,4-Dichlorobenzene	ND	0.601	"								
1,4-Dioxane	ND	0.721	"								
2-Butanone	ND	0.295	"								
2-Hexanone	ND	0.819	"								
3-Chloropropene	ND	1.57	"								
4-Methyl-2-pentanone	ND	0.410	"								
Acetone	ND	0.475	"								
Acrylonitrile	ND	0.217	"								
Benzene	ND	0.319	"								
Benzyl chloride	ND	0.518	"								
Bromodichloromethane	ND	0.670	"								
Bromoform	ND	1.03	"								
Bromomethane	ND	0.388	"								
Carbon disulfide	ND	0.311	"								
Carbon tetrachloride	ND	0.157	"								
Chlorobenzene	ND	0.460	"								
Chloroethane	ND	0.264	"								
Chloroform	ND	0.488	"								
Chloromethane	ND	0.207	"								
cis-1,2-Dichloroethylene	ND	0.198	"								
cis-1,3-Dichloropropylene	ND	0.454	"								
Cyclohexane	ND	0.344	"								
Dibromochloromethane	ND	0.852	"								
Dichlorodifluoromethane	ND	0.495	"								
Ethyl acetate	ND	0.721	"								
Ethyl Benzene	ND	0.434	"								
Hexachlorobutadiene	ND	1.07	"								
Isopropanol	ND	0.492	"								
Methyl Methacrylate	ND	0.409	"								
Methyl tert-butyl ether (MTBE)	ND	0.361	"								
Methylene chloride	ND	0.695	"								
n-Heptane	ND	0.410	"								

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 BL12701 - EPA TO15 PREP											
Blank (BL12701-BLK1) Blank								Prepared: 12/23/2021 Analyzed: 12/24/2021			
n-Hexane	ND	0.352	ug/m³								
o-Xylene	ND	0.434	"								
p- & m- Xylenes	ND	0.868	"								
p-Ethyltoluene	ND	0.492	"								
Propylene	ND	0.172	"								
Styrene	ND	0.426	"								
Tetrachloroethylene	ND	0.678	"								
Tetrahydrofuran	ND	0.590	"								
Toluene	ND	0.377	"								
trans-1,2-Dichloroethylene	ND	0.396	"								
trans-1,3-Dichloropropylene	ND	0.454	"								
Trichloroethylene	ND	0.134	"								
Trichlorofluoromethane (Freon 11)	ND	0.562	"								
Vinyl acetate	ND	0.352	"								
Vinyl bromide	ND	0.437	"								
Vinyl Chloride	ND	0.128	"								
LCS (BL12701-BS1) LCS								Prepared: 12/23/2021 Analyzed: 12/24/2021			
1,1,1,2-Tetrachloroethane	11.3		ppbv	10.0		113	70-130				
1,1,1-Trichloroethane	11.3		"	10.0		113	70-130				
1,1,2,2-Tetrachloroethane	10.8		"	10.0		108	70-130				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.9		"	10.0		119	70-130				
1,1,2-Trichloroethane	11.2		"	10.0		112	70-130				
1,1-Dichloroethane	11.3		"	10.0		113	70-130				
1,1-Dichloroethylene	11.1		"	10.0		111	70-130				
1,2,4-Trichlorobenzene	11.5		"	10.0		115	70-130				
1,2,4-Trimethylbenzene	11.0		"	10.0		110	70-130				
1,2-Dibromoethane	11.0		"	10.0		110	70-130				
1,2-Dichlorobenzene	11.0		"	10.0		110	70-130				
1,2-Dichloroethane	10.4		"	10.0		104	70-130				
1,2-Dichloropropane	11.1		"	10.0		111	70-130				
1,2-Dichlorotetrafluoroethane	12.1		"	10.0		121	70-130				
1,3,5-Trimethylbenzene	11.1		"	10.0		111	70-130				
1,3-Butadiene	11.3		"	10.0		113	70-130				
1,3-Dichlorobenzene	11.6		"	10.0		116	70-130				
1,3-Dichloropropane	10.7		"	10.0		107	70-130				
1,4-Dichlorobenzene	11.6		"	10.0		116	70-130				
1,4-Dioxane	11.0		"	10.0		110	70-130				
2-Butanone	10.8		"	10.0		108	70-130				
2-Hexanone	9.28		"	10.0		92.8	70-130				
3-Chloropropene	11.7		"	10.0		117	70-130				
4-Methyl-2-pentanone	9.60		"	10.0		96.0	70-130				
Acetone	9.67		"	10.0		96.7	70-130				
Acrylonitrile	12.0		"	10.0		120	70-130				
Benzene	11.9		"	10.0		119	70-130				
Benzyl chloride	12.3		"	10.0		123	70-130				
Bromodichloromethane	10.6		"	10.0		106	70-130				
Bromoform	11.5		"	10.0		115	70-130				
Bromomethane	12.4		"	10.0		124	70-130				
Carbon disulfide	12.0		"	10.0		120	70-130				
Carbon tetrachloride	11.8		"	10.0		118	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 BL12701 - EPA TO15 PREP											
LCS (BL12701-BS1) LCS								Prepared: 12/23/2021 Analyzed: 12/24/2021			
Chlorobenzene	11.2		ppbv	10.0		112	70-130				
Chloroethane	13.3		"	10.0		133	70-130	High Bias			
Chloroform	11.4		"	10.0		114	70-130				
Chloromethane	11.5		"	10.0		115	70-130				
cis-1,2-Dichloroethylene	10.8		"	10.0		108	70-130				
cis-1,3-Dichloropropylene	11.2		"	10.0		112	70-130				
Cyclohexane	12.0		"	10.0		120	70-130				
Dibromochloromethane	10.7		"	10.0		107	70-130				
Dichlorodifluoromethane	10.9		"	10.0		109	70-130				
Ethyl acetate	11.1		"	10.0		111	70-130				
Ethyl Benzene	11.3		"	10.0		113	70-130				
Hexachlorobutadiene	10.1		"	10.0		101	70-130				
Isopropanol	10.9		"	10.0		109	70-130				
Methyl Methacrylate	10.9		"	10.0		109	70-130				
Methyl tert-butyl ether (MTBE)	12.1		"	10.0		121	70-130				
Methylene chloride	10.6		"	10.0		106	70-130				
n-Heptane	11.6		"	10.0		116	70-130				
n-Hexane	12.2		"	10.0		122	70-130				
o-Xylene	11.4		"	10.0		114	70-130				
p- & m- Xylenes	22.7		"	20.0		114	70-130				
p-Ethyltoluene	11.5		"	10.0		115	70-130				
Propylene	10.6		"	10.0		106	70-130				
Styrene	11.9		"	10.0		119	70-130				
Tetrachloroethylene	11.2		"	10.0		112	70-130				
Tetrahydrofuran	11.1		"	10.0		111	70-130				
Toluene	11.0		"	10.0		110	70-130				
trans-1,2-Dichloroethylene	11.4		"	10.0		114	70-130				
trans-1,3-Dichloropropylene	11.2		"	10.0		112	70-130				
Trichloroethylene	10.5		"	10.0		105	70-130				
Trichlorofluoromethane (Freon 11)	11.1		"	10.0		111	70-130				
Vinyl acetate	10.8		"	10.0		108	70-130				
Vinyl bromide	12.9		"	10.0		129	70-130				
Vinyl Chloride	11.7		"	10.0		117	70-130				

Sample and Data Qualifiers Relating to This Work Order

TO-VAC	The final vacuum in the canister was less than -2 inches Hg vacuum. The time integrated sampling may be affected and not reflect proper sampling over the time period. The data user should take note.
TO-LCS-H	The result reported for this compound may be biased high due to its behavior in the analysis batch LCS where it recovered greater than 130% of the expected value.
TO-CCV	The value reported is ESTIMATED for this compound due to its behavior during continuing calibration verification (>30% Difference from initial calibration).

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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

Field Chain-of-Custody Record - AIR

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

YORK Project No. 21L1065

Page ____ of ____

YOUR Information	Report To:	Invoice To:
Company: Langan	Company:	Company:
Address: 360 W. 31st Street New York, NY	Address:	Address:
Phone.: 212-479-5400	Phone.:	Phone.:
Contact: Joseph Janowitz	Contact:	Contact:
E-mail: JJanowitz@langan.com	E-mail:	E-mail:

YOUR Project Number: 170420201

YOUR Project Name: 459 Smithstreet

YOUR PO#:

Turn-Around Time: RUSH - Next Day; RUSH - Two Day; RUSH - Three Day; RUSH - Four Day; Standard (5-7 Day) ✓

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

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

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

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

Certified Canisters: Batch ___ Individual ___

Please enter the following REQUIRED Field Data

Reporting Units: ug/m³ ___ ppbv ___ ppmv ___

Sample Identification	Date/Time Sampled	Air Matrix	Canister Vacuum Before Sampling (in Hg)	Canister Vacuum After Sampling (in Hg)	Canister ID	Flow Cont. ID	Analysis Requested
~~SV01-121721~~	~~12/17/21~~	~~AS~~	~~-29.10~~	~~-6.12~~	~~18307~~	~~7421~~	~~TO-15~~
SV02-121721	12/17/21 10:49-12:49	AS	-29.10	-6.12	18307	7421	TO-15
SV03-121721		AS	-30.04	-8.63	37003	7270	
SV04-121721		AS	-29.21	-5.42	37009	6881	
SV05-121721		AS	-30.06	-6.88	24116	Y-47	
SV06-121721		AS	-29.19	-4.96	37807	7268	
SV07-121721		AS	-29.03	-4.30	23994	6872	
SV08-121721		AS	-29.17	-6.73	36991	Y-42	
SV01-121721		AS	-28.99	-3.86	28836	6878	

Comments:

Please Include PMcMahon@Langan.com

Detection Limits Required: ≤ 1 ug/m³ ____ NYSDEC V1 Limits ____ Routine Survey ____ Other ____

Sampling Media: 6 Liter Canister; Tedlar Bag

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Andrew Nesci/Langan	12/17/21 15:45	Andrew S. York	12/17/21 15:45	Andrew S. York	12/17/21
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				[illegible]	12/18/21 5:14

Technical Report

prepared for:

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

Report Date: 01/07/2022
Client Project ID: 170420201
York Project (SDG) No.: 21L1554

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

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

Report Date: 01/07/2022
Client Project ID: 170420201
York Project (SDG) No.: 21L1554

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

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 December 30, 2021 and listed below. The project was identified as your project: **170420201**.

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

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

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

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

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21L1554-01	459-MW02_122921	Water	12/29/2021	12/30/2021
21L1554-02	459-MW05_122921	Water	12/29/2021	12/30/2021
21L1554-03	459-MW14_122921	Water	12/29/2021	12/30/2021
21L1554-04	459-MW15_122921	Water	12/29/2021	12/30/2021
21L1554-05	FB02_122921	Water	12/29/2021	12/30/2021

General Notes for York Project (SDG) No.: 21L1554

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

Approved By **Date:** 01/07/2022

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: **459-MW02_122921** **York Sample ID:** **21L1554-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1554	170420201	Water	December 29, 2021 11:15 am	12/30/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

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

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	01/03/2022 07:57	01/03/2022 17:50	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*72.0 %*	*36.6-118*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**5.59**		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**19.2**		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**4.33**		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**19.4**		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**6.45**		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**11.5**		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL

Sample Information

Client Sample ID: **459-MW02_122921** **York Sample ID:** **21L1554-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1554	170420201	Water	December 29, 2021 11:15 am	12/30/2021

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
335-77-3	*** Perfluoro-1-decanesulfonic acid (PFDS)**	**1.90**		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
27619-97-2	* **1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**18.0**		ng/L	4.63	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**36.8**		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:13	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*1.76 %*	PFSu-L	*25-150*
Surrogate: M5PFHxA	*0.747 %*	PFSu-L	*25-150*
Surrogate: M4PFHpA	*0.534 %*	PFSu-L	*25-150*
Surrogate: M3PFHxS	*0.948 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*1.75 %*	PFSu-L	*25-150*
Surrogate: M6PFDA	*9.28 %*	PFSu-L	*25-150*
Surrogate: M7PFUdA	*25.3 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*50.6 %*		*25-150*
Surrogate: M2PFTeDA	*61.1 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*0.909 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*11.4 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*1.10 %*	PFSu-L	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*2.21 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*20.4 %*	PFSu-L	*25-150*
Surrogate: d5-N-EtFOSAA	*21.0 %*	PFSu-L	*25-150*
Surrogate: M2-6:2 FTS	*1.22 %*	PFSu-L	*25-200*
Surrogate: M2-8:2 FTS	*14.9 %*	PFSu-L	*25-200*
Surrogate: M9PFNA	*4.15 %*	PFSu-L	*25-150*

Sample Information

Client Sample ID: **459-MW05_122921** **York Sample ID:** **21L1554-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1554	170420201	Water	December 29, 2021 12:55 pm	12/30/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

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

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	01/03/2022 07:57	01/03/2022 18:07	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*84.0 %*	*36.6-118*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**35.5**		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**29.6**		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**13.3**		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
355-46-4	*** Perfluorohexanesulfonic acid (PFHxS)**	**2.61**		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**34.9**		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
1763-23-1	*** Perfluorooctanesulfonic acid (PFOS)**	**6.69**		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**52.8**		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL

Sample Information

Client Sample ID: **459-MW05_122921** **York Sample ID:** **21L1554-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1554	170420201	Water	December 29, 2021 12:55 pm	12/30/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.46	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**13.0**		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:25	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*77.4 %*		*25-150*
Surrogate: M5PFHxA	*62.6 %*		*25-150*
Surrogate: M4PFHpA	*61.6 %*		*25-150*
Surrogate: M3PFHxS	*114 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*122 %*		*25-150*
Surrogate: M6PFDA	*149 %*		*25-150*
Surrogate: M7PFUdA	*145 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*154 %*	PFSu-H	*25-150*
Surrogate: M2PFTeDA	*118 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*78.7 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*137 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*58.1 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*23.3 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*121 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*196 %*	PFSu-H	*25-150*
Surrogate: M2-6:2 FTS	*272 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*272 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*121 %*		*25-150*

Sample Information

Client Sample ID: **459-MW14_122921** **York Sample ID:** **21L1554-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1554	170420201	Water	December 29, 2021 3:20 pm	12/30/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

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

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	01/03/2022 07:57	01/03/2022 18:24	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*84.0 %*	*36.6-118*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**2.49**		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**8.42**		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**7.14**		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL

Sample Information

Client Sample ID: **459-MW14_122921** **York Sample ID:** **21L1554-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1554	170420201	Water	December 29, 2021 3:20 pm	12/30/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.63	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**4.76**		ng/L	1.85	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:37	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*109 %*		*25-150*
Surrogate: M5PFHxA	*101 %*		*25-150*
Surrogate: M4PFHpA	*92.0 %*		*25-150*
Surrogate: M3PFHxS	*108 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*96.5 %*		*25-150*
Surrogate: M6PFDA	*99.4 %*		*25-150*
Surrogate: M7PFUdA	*102 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*133 %*		*25-150*
Surrogate: M2PFTeDA	*105 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*96.9 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*107 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*89.1 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*0.385 %*	PFSu-L	*10-150*
Surrogate: d3-N-MeFOSAA	*88.9 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*100 %*		*25-150*
Surrogate: M2-6:2 FTS	*95.3 %*		*25-200*
Surrogate: M2-8:2 FTS	*100 %*		*25-200*
Surrogate: M9PFNA	*92.5 %*		*25-150*

Sample Information

Client Sample ID: **459-MW15_122921** **York Sample ID:** **21L1554-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1554	170420201	Water	December 29, 2021 4:10 pm	12/30/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

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

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	01/03/2022 07:57	01/03/2022 18:41	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*80.0 %*	*36.6-118*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	*** Perfluorobutanesulfonic acid (PFBS)**	**6.35**		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
307-24-4	*** Perfluorohexanoic acid (PFHxA)**	**19.5**		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
375-85-9	*** Perfluoroheptanoic acid (PFHpA)**	**6.67**		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
335-67-1	*** Perfluorooctanoic acid (PFOA)**	**34.9**		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
2706-90-3	*** Perfluoropentanoic acid (PFPeA)**	**16.3**		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL

Sample Information

Client Sample ID: **459-MW15_122921** **York Sample ID:** **21L1554-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1554	170420201	Water	December 29, 2021 4:10 pm	12/30/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.46	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL
375-22-4	*** Perfluoro-n-butanoic acid (PFBA)**	**28.2**		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 18:50	WL

Surrogate Recoveries	Result		Acceptance Range
Surrogate: M3PFBS	*65.2 %*		*25-150*
Surrogate: M5PFHxA	*50.8 %*		*25-150*
Surrogate: M4PFHpA	*43.5 %*		*25-150*
Surrogate: M3PFHxS	*88.4 %*		*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*92.5 %*		*25-150*
Surrogate: M6PFDA	*130 %*		*25-150*
Surrogate: M7PFUdA	*122 %*		*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*129 %*		*25-150*
Surrogate: M2PFTeDA	*110 %*		*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*41.2 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*116 %*		*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*41.5 %*		*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*34.5 %*		*10-150*
Surrogate: d3-N-MeFOSAA	*129 %*		*25-150*
Surrogate: d5-N-EtFOSAA	*131 %*		*25-150*
Surrogate: M2-6:2 FTS	*228 %*	PFSu-H	*25-200*
Surrogate: M2-8:2 FTS	*249 %*	PFSu-H	*25-200*
Surrogate: M9PFNA	*120 %*		*25-150*

Sample Information

Client Sample ID: **FB02_122921** **York Sample ID:** **21L1554-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1554	170420201	Water	December 29, 2021 3:30 pm	12/30/2021

Semi-Volatiles, 1,4-Dioxane 8270 SIM-Aqueous

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

Sample Prepared by Method: EPA 3535A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.300	1	EPA 8270D SIM Certifications: NJDEP,NELAC-NY10854	01/03/2022 07:57	01/03/2022 19:15	KH

	Surrogate Recoveries	Result	Acceptance Range
17647-74-4	*Surrogate: 1,4-Dioxane-d8*	*80.0 %*	*36.6-118*

PFAS, NYSDEC Target List

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

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
335-67-1	* Perfluorooctanoic acid (PFOA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
1763-23-1	* Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
2706-90-3	* Perfluoropentanoic acid (PFPeA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
754-91-6	* Perfluoro-1-octanesulfonamide (FOSA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL

Sample Information

Client Sample ID: **FB02_122921** **York Sample ID:** **21L1554-05**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21L1554	170420201	Water	December 29, 2021 3:30 pm	12/30/2021

PFAS, NYSDEC Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: SPE Ext-PFAS-EPA 537.1M

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-92-8	* Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
335-77-3	* Perfluoro-1-decanesulfonic acid (PFDS)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
27619-97-2	* 1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		ng/L	4.46	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
39108-34-4	* 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL
375-22-4	* Perfluoro-n-butanoic acid (PFBA)	ND		ng/L	1.79	1	EPA 537m Certifications:	01/04/2022 11:42	01/05/2022 19:02	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: M3PFBS	*106 %*	*25-150*
Surrogate: M5PFHxA	*96.6 %*	*25-150*
Surrogate: M4PFHpA	*102 %*	*25-150*
Surrogate: M3PFHxS	*89.6 %*	*25-150*
Surrogate: Perfluoro-n-[13C8]octanoic aci	*93.9 %*	*25-150*
Surrogate: M6PFDA	*109 %*	*25-150*
Surrogate: M7PFUdA	*112 %*	*25-150*
Surrogate: Perfluoro-n-[1,2-13C2]dodecan	*125 %*	*25-150*
Surrogate: M2PFTeDA	*92.2 %*	*10-150*
Surrogate: Perfluoro-n-[13C4]butanoic aci	*97.7 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*106 %*	*25-150*
Surrogate: Perfluoro-n-[13C5]pentanoic ac	*99.8 %*	*25-150*
Surrogate: Perfluoro-1-[13C8]octanesulfor	*43.6 %*	*10-150*
Surrogate: d3-N-MeFOSAA	*88.5 %*	*25-150*
Surrogate: d5-N-EtFOSAA	*90.5 %*	*25-150*
Surrogate: M2-6:2 FTS	*107 %*	*25-200*
Surrogate: M2-8:2 FTS	*116 %*	*25-200*
Surrogate: M9PFNA	*97.1 %*	*25-150*

Analytical Batch Summary

Batch ID: BA21137 **Preparation Method:** EPA 3535A **Prepared By:** SJB

YORK Sample ID	Client Sample ID	Preparation Date
21L1554-01	459-MW02_122921	01/03/22
21L1554-02	459-MW05_122921	01/03/22
21L1554-03	459-MW14_122921	01/03/22
21L1554-04	459-MW15_122921	01/03/22
21L1554-05	FB02_122921	01/03/22
BA21137-BLK1	Blank	01/03/22
BA21137-BS1	LCS	01/03/22
BA21137-MS1	Matrix Spike	01/03/22
BA21137-MSD1	Matrix Spike Dup	01/03/22

Batch ID: BA21257 **Preparation Method:** SPE Ext-PFAS-EPA 537.1M **Prepared By:** ER

YORK Sample ID	Client Sample ID	Preparation Date
21L1554-01	459-MW02_122921	01/04/22
21L1554-02	459-MW05_122921	01/04/22
21L1554-03	459-MW14_122921	01/04/22
21L1554-04	459-MW15_122921	01/04/22
21L1554-05	FB02_122921	01/04/22
BA21257-BLK1	Blank	01/04/22
BA21257-BS1	LCS	01/04/22
BA21257-BSD1	LCS Dup	01/04/22

Semivolatile Organic Compounds by GC/MS/SIM - 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 BA21137 - EPA 3535A											
Blank (BA21137-BLK1) Blank							Prepared & Analyzed: 01/03/2022				
1,4-Dioxane	ND	0.300	ug/L								
Surrogate: 1,4-Dioxane-d8	*3.04*		*"*	*4.00*		*76.0*	*36.6-118*				
LCS (BA21137-BS1) LCS							Prepared & Analyzed: 01/03/2022				
1,4-Dioxane	3.50	0.300	ug/L	4.00		87.6	50-130				
Surrogate: 1,4-Dioxane-d8	*2.56*		*"*	*4.00*		*64.0*	*36.6-118*				
Matrix Spike (BA21137-MS1) Matrix Spike *Source sample: 21L1432-03 (Matrix Spike)							Prepared & Analyzed: 01/03/2022				
1,4-Dioxane	3.41	0.300	ug/L	4.00	ND	85.2	50-130				
Surrogate: 1,4-Dioxane-d8	*3.20*		*"*	*4.00*		*80.0*	*50-130*				
Matrix Spike Dup (BA21137-M Matrix Spike Dup *Source sample: 21L1432-03 (Matrix Spike Dup)							Prepared & Analyzed: 01/03/2022				
1,4-Dioxane	3.47	0.300	ug/L	4.00	ND	86.8	50-130		1.86	30	
Surrogate: 1,4-Dioxane-d8	*2.40*		*"*	*4.00*		*60.0*	*50-130*				

PFAS Target compounds by LC/MS-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 BA21257 - SPE Ext-PFAS-EPA 537.1M											
Blank (BA21257-BLK1) Blank								Prepared: 01/04/2022 Analyzed: 01/05/2022			
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	2.00	"								
Perfluoro-1-octanesulfonamide (FOSA)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoro-1-decanesulfonic acid (PFDS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	ND	5.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	ND	2.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	2.00	"								
Surrogate: M3PFBS	*88.1*		*"*	*74.3*		*119*	*25-150*				
Surrogate: M5PFHxA	*94.7*		*"*	*80.0*		*118*	*25-150*				
Surrogate: M4PFHpA	*101*		*"*	*80.0*		*127*	*25-150*				
Surrogate: M3PFHxS	*95.3*		*"*	*75.7*		*126*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*96.9*		*"*	*80.0*		*121*	*25-150*				
Surrogate: M6PFDA	*95.2*		*"*	*80.0*		*119*	*25-150*				
Surrogate: M7PFUdA	*94.5*		*"*	*80.0*		*118*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*89.8*		*"*	*80.0*		*112*	*25-150*				
Surrogate: M2PFTeDA	*82.2*		*"*	*80.0*		*103*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*92.8*		*"*	*80.0*		*116*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*90.9*		*"*	*76.6*		*119*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*94.6*		*"*	*80.0*		*118*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*48.2*		*"*	*80.0*		*60.2*	*10-150*				
Surrogate: d3-N-MeFOSAA	*84.4*		*"*	*80.0*		*106*	*25-150*				
Surrogate: d5-N-EtFOSAA	*80.9*		*"*	*80.0*		*101*	*25-150*				
Surrogate: M2-6:2 FTS	*75.5*		*"*	*75.9*		*99.4*	*25-200*				
Surrogate: M2-8:2 FTS	*98.4*		*"*	*76.6*		*128*	*25-200*				
Surrogate: M9PFNA	*94.8*		*"*	*80.0*		*118*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BA21257 - SPE Ext-PFAS-EPA 537.1M

LCS (BA21257-BS1) LCS — Prepared: 01/04/2022 Analyzed: 01/05/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	66.9	2.00	ng/L	70.8		94.4	50-130				
Perfluorohexanoic acid (PFHxA)	82.7	2.00	"	80.0		103	50-130				
Perfluoroheptanoic acid (PFHpA)	83.4	2.00	"	80.0		104	50-130				
Perfluorohexanesulfonic acid (PFHxS)	82.8	2.00	"	72.8		114	50-130				
Perfluorooctanoic acid (PFOA)	78.9	2.00	"	80.0		98.6	50-130				
Perfluorooctanesulfonic acid (PFOS)	63.2	2.00	"	74.0		85.3	50-130				
Perfluorononanoic acid (PFNA)	89.8	2.00	"	80.0		112	50-130				
Perfluorodecanoic acid (PFDA)	72.1	2.00	"	80.0		90.1	50-130				
Perfluoroundecanoic acid (PFUnA)	77.5	2.00	"	80.0		96.8	50-130				
Perfluorododecanoic acid (PFDoA)	69.2	2.00	"	80.0		86.6	50-130				
Perfluorotridecanoic acid (PFTrDA)	53.3	2.00	"	80.0		66.6	50-130				
Perfluorotetradecanoic acid (PFTA)	76.0	2.00	"	80.0		95.0	50-130				
N-MeFOSAA	91.3	2.00	"	80.0		114	50-130				
N-EtFOSAA	93.9	2.00	"	80.0		117	50-130				
Perfluoropentanoic acid (PFPeA)	77.0	2.00	"	80.0		96.3	50-130				
Perfluoro-1-octanesulfonamide (FOSA)	84.0	2.00	"	80.0		105	50-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	73.0	2.00	"	76.4		95.6	50-130				
Perfluoro-1-decanesulfonic acid (PFDS)	67.8	2.00	"	77.2		87.8	50-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	83.1	5.00	"	76.0		109	50-175				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	63.5	2.00	"	76.8		82.7	50-175				
Perfluoro-n-butanoic acid (PFBA)	78.3	2.00	"	80.0		97.9	50-130				
Surrogate: M3PFBS	*76.9*		*"*	*74.3*		*103*	*25-150*				
Surrogate: M5PFHxA	*78.6*		*"*	*80.0*		*98.2*	*25-150*				
Surrogate: M4PFHpA	*76.4*		*"*	*80.0*		*95.5*	*25-150*				
Surrogate: M3PFHxS	*71.8*		*"*	*75.7*		*94.9*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*82.2*		*"*	*80.0*		*103*	*25-150*				
Surrogate: M6PFDA	*82.5*		*"*	*80.0*		*103*	*25-150*				
Surrogate: M7PFUdA	*77.4*		*"*	*80.0*		*96.7*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*101*		*"*	*80.0*		*126*	*25-150*				
Surrogate: M2PFTeDA	*63.3*		*"*	*80.0*		*79.2*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*79.3*		*"*	*80.0*		*99.1*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*80.6*		*"*	*76.6*		*105*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*80.6*		*"*	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*43.0*		*"*	*80.0*		*53.7*	*10-150*				
Surrogate: d3-N-MeFOSAA	*64.9*		*"*	*80.0*		*81.1*	*25-150*				
Surrogate: d5-N-EtFOSAA	*60.4*		*"*	*80.0*		*75.5*	*25-150*				
Surrogate: M2-6:2 FTS	*71.8*		*"*	*75.9*		*94.6*	*25-200*				
Surrogate: M2-8:2 FTS	*106*		*"*	*76.6*		*139*	*25-200*				
Surrogate: M9PFNA	*70.6*		*"*	*80.0*		*88.2*	*25-150*				

PFAS Target compounds by LC/MS-MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BA21257 - SPE Ext-PFAS-EPA 537.1M

LCS Dup (BA21257-BSD1) LCS Dup — Prepared: 01/04/2022 Analyzed: 01/05/2022

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Perfluorobutanesulfonic acid (PFBS)	64.7	2.00	ng/L	70.8		91.5	50-130		3.20	30	
Perfluorohexanoic acid (PFHxA)	82.2	2.00	"	80.0		103	50-130		0.606	30	
Perfluoroheptanoic acid (PFHpA)	75.9	2.00	"	80.0		94.8	50-130		9.39	30	
Perfluorohexanesulfonic acid (PFHxS)	74.3	2.00	"	72.8		102	50-130		10.8	30	
Perfluorooctanoic acid (PFOA)	79.5	2.00	"	80.0		99.3	50-130		0.729	30	
Perfluorooctanesulfonic acid (PFOS)	66.4	2.00	"	74.0		89.7	50-130		5.01	30	
Perfluorononanoic acid (PFNA)	79.6	2.00	"	80.0		99.5	50-130		11.9	30	
Perfluorodecanoic acid (PFDA)	79.7	2.00	"	80.0		99.7	50-130		10.1	30	
Perfluoroundecanoic acid (PFUnA)	75.7	2.00	"	80.0		94.6	50-130		2.28	30	
Perfluorododecanoic acid (PFDoA)	73.1	2.00	"	80.0		91.4	50-130		5.47	30	
Perfluorotridecanoic acid (PFTrDA)	56.2	2.00	"	80.0		70.3	50-130		5.46	30	
Perfluorotetradecanoic acid (PFTA)	77.1	2.00	"	80.0		96.4	50-130		1.43	30	
N-MeFOSAA	91.2	2.00	"	80.0		114	50-130		0.103	30	
N-EtFOSAA	73.2	2.00	"	80.0		91.5	50-130		24.8	30	
Perfluoropentanoic acid (PFPeA)	73.0	2.00	"	80.0		91.2	50-130		5.43	30	
Perfluoro-1-octanesulfonamide (FOSA)	77.0	2.00	"	80.0		96.3	50-130		8.68	30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	67.4	2.00	"	76.4		88.3	50-130		7.95	30	
Perfluoro-1-decanesulfonic acid (PFDS)	66.5	2.00	"	77.2		86.1	50-130		1.92	30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 F	61.4	5.00	"	76.0		80.8	50-175		30.0	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 F	71.0	2.00	"	76.8		92.5	50-175		11.2	30	
Perfluoro-n-butanoic acid (PFBA)	76.0	2.00	"	80.0		95.0	50-130		2.99	30	
Surrogate: M3PFBS	*83.4*		*"*	*74.3*		*112*	*25-150*				
Surrogate: M5PFHxA	*74.2*		*"*	*80.0*		*92.8*	*25-150*				
Surrogate: M4PFHpA	*80.7*		*"*	*80.0*		*101*	*25-150*				
Surrogate: M3PFHxS	*78.1*		*"*	*75.7*		*103*	*25-150*				
Surrogate: Perfluoro-n-[13C8]octanoic acid (M8PFOA)	*76.1*		*"*	*80.0*		*95.1*	*25-150*				
Surrogate: M6PFDA	*78.3*		*"*	*80.0*		*97.9*	*25-150*				
Surrogate: M7PFUdA	*81.1*		*"*	*80.0*		*101*	*25-150*				
Surrogate: Perfluoro-n-[1,2-13C2]dodecanoic acid (MPFDoA)	*100*		*"*	*80.0*		*125*	*25-150*				
Surrogate: M2PFTeDA	*84.3*		*"*	*80.0*		*105*	*10-150*				
Surrogate: Perfluoro-n-[13C4]butanoic acid (MPFBA)	*77.5*		*"*	*80.0*		*96.8*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonic acid (M8PFOS)	*81.6*		*"*	*76.6*		*107*	*25-150*				
Surrogate: Perfluoro-n-[13C5]pentanoic acid (M5PFPeA)	*77.5*		*"*	*80.0*		*96.9*	*25-150*				
Surrogate: Perfluoro-1-[13C8]octanesulfonamide (M8FOSA)	*37.0*		*"*	*80.0*		*46.3*	*10-150*				
Surrogate: d3-N-MeFOSAA	*64.8*		*"*	*80.0*		*81.0*	*25-150*				
Surrogate: d5-N-EtFOSAA	*74.7*		*"*	*80.0*		*93.4*	*25-150*				
Surrogate: M2-6:2 FTS	*92.1*		*"*	*75.9*		*121*	*25-200*				
Surrogate: M2-8:2 FTS	*97.1*		*"*	*76.6*		*127*	*25-200*				
Surrogate: M9PFNA	*77.4*		*"*	*80.0*		*96.8*	*25-150*				

Sample and Data Qualifiers Relating to This Work Order

PFSu-L The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.

PFSu-H The isotopically labeled surrogate recovered above lab control limits due to a matrix effect. Isotope Dilution was applied.

Definitions and Other Explanations

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

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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

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

Field Chain-of-Custody Record

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

YORK Project No.: 21L1554

YOUR Information	Report To:	Invoice To:
Company: Langan DPC	Company:	Company:
Address: 360 W. 31st St, New York, NY 10001	Address:	Address:
Phone: 212-472-5400	Phone:	Phone:
Contact: Michael Au	Contact:	Contact:
E-mail: mau@langan.com	E-mail:	E-mail:

YOUR Project Number: 170420201

YOUR Project Name: 459 Smith Street

YOUR PO#:

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

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

Samples Collected by: (print your name above and sign below)
Caroline Devin
[signature]

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

Samples From
- New York X
- New Jersey
- Connecticut
- Pennsylvania
- Other

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

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
459-MW02-122921	GW	12/29/21 1115	[PFAS, 1,4 dioxane]	
459-MW05-122921	GW	1255		
459-MW14-122921	GW	1520		
459-MW15-122921	GW	1610		
FB02-122921	water	1530		

Comments:
Include Paul McMahon, pmcmahon@langan.com

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

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
[signature] / Langan	12/30/21 1034	Francisco / York	12/30/21 1700	Francisco / York	12/30/21 1838
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Noel N York Labs	12/30/21 1035				
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
Noel N York Labs	12/30/21 1700			[signature]	12/30/21 1838

Temp. Received at Lab: 4.7 Degrees C

ATTACHMENT G
Data Usability Summary Reports

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

989 Lenox Drive Lawrenceville, NJ 08648 T: 609.282.8000
Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

To: Michael Au, Langan Senior Staff Engineer

From: Joe Conboy, Langan Senior Staff Chemist

Date: January 13, 2022

Re: Data Usability Summary Report
For 459 Smith Street
December 2021 Soil Samples
Langan Project No.: 170420201

This memorandum presents the findings of an analytical data validation from the analysis of soil samples collected in December 2021 by Langan Engineering and Environmental Services at 459 Smith Street. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration # 10854 and 12058) for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), per- and polyfluoroalkyl substances (PFAS), herbicides, polychlorinated biphenyls (PCBs), pesticides, metals, cyanide (CN), hexavalent chromium (CrVI), and trivalent chromium (CrIII) by the methods specified below.

- VOCs by SW-846 Method 8260C
- SVOCs by SW-846 Method 8270D and 8270D SIM
- PFAS by USEPA Method 537M
- Herbicides by SW-846 Method 8151A
- PCBs by SW-846 Method 8082A
- Pesticides by SW-846 Method 8081B
- Metals by SW-846 Methods 6010D/7473
- Cyanide by SW-846 Method 9014/9010C
- Hexavalent Chromium by SW-846 Method 7196A
- Trivalent Chromium (calculated)

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation

- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

USEPA Method 537 was developed and validated for the analysis of finished drinking water from surface water and groundwater sources. Laboratories have modified Method 537 to enable the analysis of groundwater and soil, and to incorporate PFAS analytes not currently addressed by the promulgated method. NYSDOH offers certification for PFOA and PFOS in the drinking water category. Non-potable water and soil certification is not available; however, the method describes acceptable modifications. USEPA recommends that modified methods be assessed relative to project goals and data quality objectives.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. All SDGs underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

R – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.

J – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.

U – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

NJ – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

VOCs by SW-846 Method 8260C

<u>21L0804</u>

The MB for batch BL12415 exhibited a detection of 2-butanone (0.0046 mg/kg). The associated results in samples EP10_0-2, EP12_0-2, and EP13_0-2 are qualified as U at the higher of the sample concentration and the reporting limit because of potential blank contamination.

The LCS for batch BL12415 exhibited a percent recovery below the LCL for 4-methyl-2-pentanone (67.1%). The associated results in samples EP10_0-2, EP12_0-2, and EP13_0-2 are qualified as UJ because of potential low bias.

<u>21L0910</u>

The FB (FB02_121521_20211215) exhibited a detection of methylene chloride (1.84 ug/l). The associated result in sample EP14_0-2 is qualified as U at the reporting limit because of potential blank contamination.

The LCS for batch BL12690 exhibited a percent recovery below the LCL for 4-methyl-2-pentanone (64.6%). The associated result in sample EP05_2-3 is qualified as UJ because of potential low bias.

21L1050

The LCS/LCSD for batch BL12733 exhibited a percent recovery below the LCL for dichlorodifluoromethane (25.4%, 23.6%). The associated results in samples EP03_0-2_121721, EP11_0-2_121721, and EP15_0-2_121721 are qualified as UJ because of potential low bias.

SVOCs by SW-846 Method 8270D and 8270D SIM

21L0910

The MB for batch BL12713 exhibited a detection of bis(2-ethylhexyl) phthalate (0.0535 mg/kg). The associated results in samples EP09_0-2 and SODUP01_121521 are qualified as U at the reporting limit or J because of potential blank contamination.

Sample EP05_0-2 exhibited a percent recovery below the LCL for the surrogate 1,4-dioxane-d8 (30.0%). The associated results are qualified as UJ because of potential low bias.

21L0966

Samples EP01_0-2, EP01_5-7, EP04_0-2, EP06_9-11, EP07_0-2, EP07_9-11, EP08_0-2, and EP08_8-10 exhibited percent recoveries below the LCL for the surrogate 1,4-dioxane-d8 (28% to 40%). The associated results are qualified as UJ because of potential low bias.

21L1050

Sample EP03_3-5_121721 exhibited a percent recovery below the LCL for the surrogate 1,4-dioxane-d8 (24.0%). The associated results are qualified as UJ because of potential low bias.

Sample EP11_0-2_121721 exhibited a percent recovery below the LCL for the surrogate 1,4-dioxane-d8 (34.0%). The associated results are qualified as UJ because of potential low bias.

PFAS by USEPA Method 537M

21L0910

Sample EP02_0-2 exhibited a percent recovery above the UCL for the isotope dilution standard M2-8:2 FTS (217%). The associated results are qualified as UJ because of potential high bias.

Sample EP02_5-7 exhibited a percent recovery above the UCL for the isotope dilution standard M2-8:2 FTS (246%). The associated results are qualified as UJ because of potential high bias.

The LCS for batch BL12477 exhibited a percent recovery above the UCL for 8:2 FTS (317%). The associated result in sample EP14_0-2 is qualified as J because of potential high bias.

Pesticides by SW-846 Method 8081B

21L0804

Sample EP12_0-2 exhibited a percent recovery below the LCL for the surrogate 2,4,5,6-tetrachloro-meta-xylene (29.9%). The associated results are qualified as UJ because of potential low bias.

21L0910

Sample EP05_0-2 exhibited a percent recovery below the LCL for the surrogate 2,4,5,6-tetrachloro-meta-xylene (21.1%). The associated results are qualified as UJ because of potential low bias.

PCBs by SW-846 Method 8082A

21L0804

Sample EP12_0-2 exhibited a percent recovery below the LCL for the surrogate decachlorobiphenyl (29.5%). The associated results are qualified as UJ because of potential low bias.

Metals by SW-846 Methods 6010D/7471B

21L0910

The MS performed on sample EP05_0-2 exhibited percent recoveries above the UCL for antimony (0%), sodium (399%), and copper (126%). The associated results in sample EP05_0-2 are qualified as J because of potential bias.

The MS performed on sample EP14_0-2 exhibited percent recoveries outside of control limits for lead (9.69%), sodium (154%), and antimony (21.5%). The associated results in sample EP14_0-2 are qualified as J or UJ because of potential bias.

The laboratory duplicate and parent sample (EP05_0-2) exhibited a RPD above the control limit for zinc (55.7%). The associated results are qualified as J because of potential indeterminate bias.

The laboratory duplicate and parent sample (EP14_0-2) exhibited a RPD above the control limit for magnesium (44%). The associated results are qualified as J because of potential indeterminate bias.

The post-digestion spike performed on sample EP05_0-2 exhibited percent recoveries below the LCL for antimony (67.7%), silver (9.98%), and sodium (178%). The associated results in sample EP05_0-2 are qualified as J or UJ because of potential low bias.

The post-digestion spike performed on sample EP14_0-2 exhibited percent recoveries outside of control limits for copper (129%), silver (23.2%), and sodium (134%). The associated results in sample EP14_0-2 are qualified as J or UJ because of potential low bias.

The LCS for batch BL12405 exhibited percent recoveries above the UCL for barium (129%), calcium (132%), copper (132%), and nickel (142%). The associated results in samples EP05_0-2, EP02_0-2, EP09_0-2, SODUP01_121521, and SODUP02_121521 are qualified as J because of potential high bias.

The LCS for batch BL12501 exhibited a percent recovery above the UCL for nickel (137%). The associated results in sample EP14_0-2 are qualified as J because of potential high bias.

21L0966

The MB for batch BL12727 exhibited a detection of mercury (0.0545 mg/kg). The associated results in sample EP06_0-2 are qualified as J because of potential blank contamination. The other associated results are >10x the blank contamination, so no qualification was required.

The LCS for batch BL12503 exhibited a percent recovery above the UCL for nickel (139%). The associated results in samples EP01_0-2, EP04_0-2, EP06_0-2, EP07_0-2, and EP08_0-2 are qualified as J because of potential high bias.

Hexavalent Chromium by SW-846 Method 7196A

21L0910

The MS performed on sample EP05_0-2 exhibited a percent recovery below the LCL for hexavalent chromium (52.2%). The associated results in sample EP05_0-2 are qualified as UJ because of potential low bias.

Cyanide by SW-846 Method 9012B

21L0910

The MS performed on sample EP14_0-2 exhibited a percent recovery below the LCL for cyanide (68%). The associated results in sample EP14_0-2 are qualified as UJ because of potential low bias.

The MS performed on sample EP05_0-2 exhibited a percent recovery below the LCL for cyanide (47.4%). The associated results in sample EP05_0-2 are qualified as UJ because of potential low bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by SW-846 Method 8260C

21L0804

The LCSD for batch BL12415 exhibited a percent recovery above the UCL for hexachlorobutadiene (139%). The associated results are non-detect. No qualification is necessary.

The FB (FB01_121421) exhibited a detection of methylene chloride (1.43 ug/l). The associated results are either non-detect or >10X the contamination. No qualification is necessary.

21L0910

The MB for batch BL12688 exhibited a detection of bromomethane (0.0039 mg/kg). The associated results are non-detect. No qualification is necessary.

The LCSD for batch BL12690 exhibited a percent recovery above the UCL for hexachlorobutadiene (137%). The associated results are non-detect. No qualification is necessary.

The MS/MSD performed on sample EP14_0-2 exhibited percent recoveries below the LCL for methylcyclohexane (64.2%, 54.2%) and cyclohexane (66.2%, 53.9%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

21L0966

The MB for batch BL12688 exhibited a detection of bromomethane (0.0039 mg/kg). The associated results are non-detect. No qualification is necessary.

21L1050

The LCS for batch BL12733 exhibited a percent recovery above the UCL for tert-butyl alcohol (134%). The associated results are non-detect. No qualification is necessary.

SVOCs by SW-846 Method 8270D and 8270D SIM

21L0804

Sample EP10_0-2 exhibited a percent recovery above the UCL for the surrogate nitrobenzene-d5 (117%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

Sample EP13_0-2 exhibited a percent recovery below the LCL for the surrogate 2,4,6-tribromophenol (10.6%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

21L0910

Sample EP05_2-3 exhibited percent recoveries below the LCL for the surrogates phenol-d6 (22%) and 2-fluorophenol (18%). The sample was diluted >10X. No qualification is necessary.

Sample SODUP02_121521 exhibited a percent recovery above the UCL for the surrogate 2,4,6-tribromophenol (17.3%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

The LCS for batch BL12957 exhibited percent recoveries above the UCL for 2,4-dinitrotoluene (141%), 2,4-dinitrophenol (201%), 4,6-dinitro-2-methylphenol (190%), 2,6-dinitrotoluene (140%), 2-nitrophenol (145%), and 3,3'-dichlorobenzidine (151%). The associated results are non-detect. No qualification is necessary.

The MS/MSD performed on samples EP05_0-2 and EP14_0-2 exhibited percent recoveries and RPDs outside of control limits for a number of target analytes. Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary

21L0966

Sample EP01_0-2_20211216 exhibited a percent recovery below the LCL for the surrogate 2,4,6-tribromophenol (16.5%). No more than one surrogate from a single fraction was recovered outside of the control limits. No qualification is necessary.

21L1050

The LCS for batch BL12957 exhibited percent recoveries above the UCL for 2,4-dinitrotoluene (141%), 2,4-dinitrophenol (201%), 4,6-dinitro-2-methylphenol (190%), 2,6-dinitrotoluene (140%), 2-nitrophenol (145%), and 3,3'-dichlorobenzidine (151%). The associated results are non-detect. No qualification is necessary.

The LCS for batch BL12957 exhibited percent recoveries above the UCL for 2,4-dinitrotoluene (141%), 2,4-dinitrophenol (201%), 4,6-dinitro-2-methylphenol (190%), 2,6-dinitrotoluene (140%), 2-nitrophenol (145%), and 3,3'-dichlorobenzidine (151%). The associated results are non-detect. No qualification is necessary.

PFAS by USEPA Method 537M

21L0804

The FB (SOFB01_121421) exhibited a detection of FOSA (2.00 ng/l). The associated results are non-detect. No qualification is necessary.

The LCS for batch BL12277 exhibited a percent recovery above the UCL for 6:2 FTS (218%). The associated results are non-detect. No qualification is necessary.

21L0910

The LCS for batch BL12477 exhibited a percent recovery above the UCL for 6:2 FTS (269%). The associated results are non-detect. No qualification is necessary.

The MS/MSD performed on sample EP05_0-2 exhibited percent recoveries above the UCL for 6:2 FTS (278%, 251%) and exhibited a RPD above the control limit for 8:2 FTS (40.2%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

The MS/MSD performed on sample EP14_0-2 exhibited a percent recovery above the UCL for 6:2 FTS (229%, 237%) and 8:2 FTS (242%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

21L0996

The LCS for batch BL12593 exhibited percent recoveries above the UCL for NEtFOSAA (136%) and 8:2 FTS (228%). The associated results are non-detect. No qualification is necessary.

The MS/MSD performed on sample EP07_0-2 exhibited a percent recovery above the UCL for 6:2 FTS (228%) and exhibited a RPD above the control limit for PFOS (52.5%). Organic results are not qualified on the basis of MS recoveries alone. No qualification is necessary.

21L1050

The LCS for batch BL12767 exhibited percent recoveries above the UCL for NMeFOSAA (132%), 6:2 FTS (245%), and NEtFOSAA (132%). The associated results are non-detect. No qualification is necessary.

Pesticides by SW-846 Method 8081B

21L0910

The LCS for batch BL12628 exhibited a percent recovery above the UCL for alpha endosulfan (161%). The associated results are non-detect. No qualification is necessary.

PCBs by SW-846 Method 8082A

21L0910

The MS/MSD performed on sample EP05_0-2_20211215 exhibited percent recoveries below the LCL for PCB-1016 (14.3%, 17.6%) and PCB-1260 (39.8%). Organic results are not qualified on the basis of MS/MSD recoveries alone. No qualification is necessary.

Metals by SW-846 Methods 6010D/7473

21L0804

The MB for batch BL12268 exhibited a detection of calcium (5.91 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

21L0910

The MB for batch BL12405 exhibited a detection of calcium (6.76 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The MB for batch BL12501 exhibited detections of aluminum (5.53 mg/kg) and calcium (16.3 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

The MS performed on sample EP05_0-2 exhibited percent recoveries above the UCL for aluminum (538%), iron (5170%), magnesium (18200%), manganese (147%), potassium (839%), and calcium (1970%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The MS performed on sample EP14_0-2 exhibited percent recoveries above the UCL for aluminum (231%), iron (-822%), magnesium (938%), manganese (164%), potassium (254%), and calcium (9720%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The post-digestion spike performed on sample EP05_0-2 exhibited percent recoveries above the UCL for aluminum (256%), calcium (not calculated), iron (not calculated), magnesium (not calculated), and potassium (635%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

The post-digestion spike performed on sample EP14_0-2 exhibited percent recoveries above the UCL for aluminum (173%), calcium (888%), iron (990%), magnesium (349%), and potassium (240%). The associated results in the parent sample are >4X the spiked amount. No qualification is necessary.

21L0966

The MB for batch BL12503 exhibited detections of aluminum (5.31 mg/kg) and calcium (16.1 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

21L1050

The MB for batch BL12672 exhibited detections of aluminum (6.76 mg/kg) and calcium (10.9 mg/kg). The associated results are >10X the contamination. No qualification is necessary.

FIELD DUPLICATE:

Two field duplicate and parent sample pairs were collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than ±2X the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 50% for soil. The following field duplicate and parent sample pairs were compared to the precision criteria:

- EP14_0-2 and SODUP01_121521
- EP05_0-2 and SODUP02_121521

The field duplicate and parent sample (EP14_0-2 and SODUP01_121521) exhibited RPDs above the control limit for 8:2FTS (102%), 2-methylnaphthalene (85%), acenaphthene (155%), anthracene (73%), benzo(a)anthracene (74%), benzo(a)pyrene (71%), benzo(b)fluoranthene (78%), benzo(g,h,i)perylene (63%), benzo(k)fluoranthene (66%), benzyl butyl phthalate (142%), bis(2-ethylhexyl) phthalate (79%), calcium (139%), carbazole (107%), chrysene (68%), dibenzofuran (143%), fluoranthene (72%), indeno(1,2,3-c,d)pyrene (70%), magnesium (52%), naphthalene (170%), phenanthrene (53%), and pyrene (64%). The associated results are qualified as J or UJ because of potential indeterminate bias.

The field duplicate and parent sample (EP05_0-2 and SODUP02_121521) exhibited RPDs above the control limit for 2-methylnaphthalene (164%), acenaphthene (181%), acenaphthylene (118%), anthracene (168%), benzo(a)anthracene (121%), benzo(a)pyrene (105%), benzo(b)fluoranthene (75%), benzo(g,h,i)perylene (77%), benzo(k)fluoranthene (96%), calcium (151%), chrysene (118%), cobalt (52%), copper (76%), dibenz(a,h)anthracene (73%),

dibenzofuran (100%), fluoranthene (127%), fluorene (179%), indeno(1,2,3-c,d)pyrene (69%), iron (95%), lead (118%), magnesium (135%), mercury (67%), naphthalene (177%), nickel (83%), phenanthrene (171%), and pyrene (138%). The associated results are qualified as J or UJ because of potential indeterminate bias.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:

Joe Conboy
Senior Staff Chemist

Data Usability Summary Report
For 459 Smith Street
December 2021 Soil Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
21L0804	21L0804-07	SOFB01_121421	12/14/2021	Tier 1	PFAS
21L0804	21L0804-08	FB01_121421	12/14/2021	Tier 1	VOCs, SVOCs, SVOC SIM, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0804	21L0804-09	EP10_0-2	12/14/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0804	21L0804-10	EP12_0-2	12/14/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0804	21L0804-11	EP13_0-2	12/14/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0804	21L0804-12	EP10_6-8	12/14/2021	Tier 1	PFAS, SVOC SIM
21L0804	21L0804-13	EP12_9-11	12/14/2021	Tier 1	PFAS, SVOC SIM
21L0804	21L0804-14	EP13_6-8	12/14/2021	Tier 1	PFAS, SVOC SIM
21L0910	21L0910-01	EP02_5-7	12/15/2021	Tier 1	PFAS, SVOC SIM
21L0910	21L0910-02	EP05_6-8	12/15/2021	Tier 1	PFAS, SVOC SIM
21L0910	21L0910-03	EP09_2-3	12/15/2021	Tier 1	PFAS, SVOC SIM
21L0910	21L0910-04	EP14_9-11	12/15/2021	Tier 1	PFAS, SVOC SIM
21L0910	21L0910-05	EP05_2-3	12/15/2021	Tier 1	VOCs, SVOCs
21L0910	21L0910-06	SOFB02_121521	12/15/2021	Tier 1	PFAS
21L0910	21L0910-07	TB01_121521	12/15/2021	Tier 1	VOCs
21L0910	21L0910-08	FB02_121521	12/15/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0910	21L0910-09	EP05_0-2	12/15/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0910	21L0910-10	EP14_0-2	12/15/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide

Data Usability Summary Report
For 459 Smith Street
December 2021 Soil Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
21L0910	21L0910-11	EP02_0-2	12/15/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0910	21L0910-12	EP09_0-2	12/15/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0910	21L0910-13	SODUP01_121521	12/15/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0910	21L0910-14	SODUP02_121521	12/15/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0966	21L0966-01	EP06_0-2	12/16/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0966	21L0966-02	EP04_0-2	12/16/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0966	21L0966-03	EP08_0-2	12/16/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0966	21L0966-04	EP01_0-2	12/16/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0966	21L0966-05	EP07_0-2	12/16/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L0966	21L0966-06	EP06_9-11	12/16/2021	Tier 1	PFAS, SVOC SIM
21L0966	21L0966-07	EP04_6-8	12/16/2021	Tier 1	PFAS, SVOC SIM
21L0966	21L0966-08	EP08_8-10	12/16/2021	Tier 1	PFAS, SVOC SIM
21L0966	21L0966-09	EP01_5-7	12/16/2021	Tier 1	PFAS, SVOC SIM
21L0966	21L0966-10	EP07_9-11	12/16/2021	Tier 1	PFAS, SVOC SIM

Data Usability Summary Report
For 459 Smith Street
December 2021 Soil Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
21L0966	21L0966-11	SOFB03_121621	12/16/2021	Tier 1	PFAS
21L1050	21L1050-01	EP03_0-2_121721	12/17/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L1050	21L1050-02	EP11_0-2_121721	12/17/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L1050	21L1050-03	EP15_0-2_121721	12/17/2021	Tier 1	VOCs, SVOCs, SVOC SIM, PFAS, Pesticides, PCBs, Herbicides, Metals, Mercury, Hexavalent Chromium, Cyanide
21L1050	21L1050-04	EP03_3-5_121721	12/17/2021	Tier 1	PFAS, SVOC SIM
21L1050	21L1050-05	EP11_4-6_121721	12/17/2021	Tier 1	PFAS, SVOC SIM
21L1050	21L1050-06	EP15_7-9_121721	12/17/2021	Tier 1	PFAS, SVOC SIM

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

989 Lenox Drive Lawrenceville, NJ 08648 T: 609.282.8000
Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

To: Michael Au, Langan Senior Staff Engineer

From: Joe Conboy, Langan Senior Staff Chemist

Date: January 11, 2022

Re: Data Usability Summary Report
For 459 Smith Street
December 2021 Groundwater Samples
Langan Project No.: 170420201

This memorandum presents the findings of an analytical data validation from the analysis of groundwater samples collected in December 2021 by Langan Engineering and Environmental Services at 459 Smith Street. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration # 10854 and 12058) for semivolatile organic compounds (SVOCs) and per- and polyfluoroalkyl substances (PFAS) by the methods specified below.

- SVOCs by SW-846 Method 8270D and 8270D SIM
- PFAS by USEPA Method 537M

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, level of data validation, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedures (SOPs) for Data Validation
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020)
- USEPA Contract Laboratory Program "National Functional Guidelines for Inorganic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

USEPA Method 537 was developed and validated for the analysis of finished drinking water from surface water and groundwater sources. Laboratories have modified Method 537 to enable the analysis of groundwater and soil, and to incorporate PFAS analytes not currently addressed by the promulgated method. NYSDOH offers certification for PFOA and PFOS in the drinking water category. Non-potable water and soil certification is not available; however, the method describes

acceptable modifications. USEPA recommends that modified methods be assessed relative to project goals and data quality objectives.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit
ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. All SDGs underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA guidelines and our best professional judgment:

- **R –** The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.
- **J –** The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.
- **UJ –** The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.
- **U –** The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.
- **NJ –** The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned, these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid

and are not technically usable for data interpretation. Data that is otherwise qualified because of minor data-quality anomalies are usable, as qualified in Table 2 (attached).

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. The section below describes the minor deficiencies that were identified.

PFAS by USEPA Method 537M

21L0804

Sample CGMW36_121421 exhibited a percent recovery below the LCL for the isotope dilution standard 13C8-FOSA (8.90%). The associated results are qualified as UJ because of potential low bias.

Sample CGMW38_121421 exhibited a percent recovery below the LCL for the isotope dilution standard 13C8-FOSA (9.16%). The associated results are qualified as UJ because of potential low bias.

Sample CGMW39_121421 exhibited a percent recovery below the LCL for the isotope dilution standard 13C8-FOSA (0.00205%). The associated results are qualified as J because of potential low bias.

Sample GWDUP01_121421 exhibited a percent recovery below the LCL for the isotope dilution standard 13C8-FOSA (4.08%). The associated results are qualified as UJ because of potential low bias.

21L0804

Sample 459-MW02_122921 exhibited percent recoveries below the LCL for the isotope dilution standard 13C3-PFHxS (0.948%), 13C4-PFBA (0.909%), 13C4-PFHpA (0.534%), 13C5-PFHxA (0.747%), 13C5-PFPeA (1.10%), 13C6-PFDA (9.28%), 13C8-FOSA(2.21%), 13C8-PFOA (1.75%), 13C8-PFOS (11.4%), 13C9-PFNA (4.15%), d5-NEtFOSAA (20.4%), d3-NMeFOSAA (21.0%), M2-6:2FTS (1.22%), M2-8:2FTS (14.9%), and M3-PFBS (1.76%). The associated results are qualified as J or UJ because of potential low bias.

Sample 459-MW05_122921 exhibited percent recoveries above the UCL for the isotope dilution standard 13C2-PFDoA (154%), d5-NEtFOSAA (196%), M2-6:2FTS (272%), and M2-8:2FTS (272%). The associated results are qualified as UJ because of potential high bias.

Sample 459-MW15_122921 exhibited percent recoveries above the UCL for the isotope dilution standard M2-6:2FTS (228%) and M2-8:2FTS (249%). The associated results are qualified as UJ because of potential high bias.

Sample 459-MW14_122921 exhibited a percent recovery below the LCL for the isotope dilution standard 13C8-FOSA (0.385%). The associated results are qualified as UJ because of potential low bias.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. No other deficiencies were identified.

FIELD DUPLICATE:

One field duplicate and parent sample pair was collected and analyzed for all parameters. For results less than 5X the RL, analytes meet the precision criteria if the absolute difference is less than ±1X the RL. For results greater than 5X the RL, analytes meet the precision criteria if the RPD is less than or equal to 30% for soil. The following field duplicate and parent sample pair was compared to the precision criteria:

- CGMW36_121421 and GWDUP01_121421

The field duplicate and parent sample (CGMW36 & GWDUP01) exhibited a RPD above the control limit for PFBA (36.3%). The associated results are qualified as J because of potential indeterminate bias.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:

Joe Conboy
Senior Staff Chemist

Data Usability Summary Report
For 459 Smith Street
December 2021 Groundwater Samples
Table 2: Validator-Applied Qualification

SDG	Client Sample ID	Analysis	CAS #	Analyte	Validator Qualifier
21L0804	CGMW36_121421	E537	754-91-6	FOSA	UJ
21L0804	CGMW38_121421	E537	754-91-6	FOSA	UJ
21L0804	CGMW39_121421	E537	754-91-6	FOSA	J
21L0804	GWDUP01_121421	E537	754-91-6	FOSA	UJ
21L1554	459-MW02_122921	E537	1763-23-1	PFOS	J
21L1554	459-MW02_122921	E537	2355-31-9	NMeFOSAA	UJ
21L1554	459-MW02_122921	E537	2706-90-3	PFPeA	J
21L1554	459-MW02_122921	E537	27619-97-2	6:2 FTS	J
21L1554	459-MW02_122921	E537	2991-50-6	NEtFOSAA	UJ
21L1554	459-MW02_122921	E537	307-24-4	PFHxA	J
21L1554	459-MW02_122921	E537	307-55-1	PFDoA	UJ
21L1554	459-MW02_122921	E537	335-67-1	PFOA	J
21L1554	459-MW02_122921	E537	355-46-4	PFHxS	J
21L1554	459-MW02_122921	E537	375-22-4	PFBA	J
21L1554	459-MW02_122921	E537	375-73-5	PFBS	UJ
21L1554	459-MW02_122921	E537	375-85-9	PFHpA	J
21L1554	459-MW02_122921	E537	375-95-1	PFNA	UJ
21L1554	459-MW02_122921	E537	39108-34-4	8:2 FTS	UJ
21L1554	459-MW02_122921	E537	754-91-6	FOSA	UJ
21L1554	459-MW05_122921	E537	27619-97-2	6:2 FTS	UJ
21L1554	459-MW05_122921	E537	2991-50-6	NEtFOSAA	UJ
21L1554	459-MW05_122921	E537	307-55-1	PFDoA	UJ
21L1554	459-MW05_122921	E537	39108-34-4	8:2 FTS	UJ
21L1554	459-MW14_122921	E537	754-91-6	FOSA	UJ
21L1554	459-MW15_122921	E537	27619-97-2	6:2 FTS	UJ
21L1554	459-MW15_122921	E537	39108-34-4	8:2 FTS	UJ

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Technical Memorandum

989 Lenox Drive Lawrenceville, NJ 08648 T: 609.282.8000
Mailing Address: 989 Lenox Drive Lawrenceville, NJ 08648

To: Michael Au, Langan Senior Staff Engineer

From: Joe Conboy, Langan Senior Staff Chemist

Date: January 11, 2022

Re: Data Usability Summary Report
For 459 Smith Street
December 2021 Soil Vapor Samples
Langan Project No.: 170420201

This memorandum presents the findings of an analytical data validation of the data generated from the analysis of air samples collected in December 2021 by Langan Engineering and Environmental Services at the 459 Smith Street site. The samples were analyzed by York Analytical Laboratories, Inc. (NYSDOH NELAP registration # 10854 and 12058) for volatile organic compounds (VOCs) by the methods specified below.

- VOCs by USEPA Method TO-15

Table 1, attached, summarizes the laboratory and client sample identification numbers, sample collection dates, and analytical parameters subject to review.

Validation Overview

This data validation was performed in accordance with the following guidelines, where applicable:

- USEPA Region II Standard Operating Procedure (SOP) #HW-31, "Analysis of Volatile Organic Compounds in Air Contained in Canisters by Method TO-15" (September 2016, Revision 6),
- USEPA Contract Laboratory Program "National Functional Guidelines for Organic Superfund Methods Data Review" (EPA 540- R-20-005, November 2020), and
- published analytical methodologies.

The following acronyms may be used in the discussion of data-quality issues:

%D	Percent Difference	MB	Method Blank
CCV	Continuing Calibration Verification	MDL	Method Detection Limit
FB	Field Blank	MS	Matrix Spike
FD	Field Duplicate	MSD	Matrix Spike Duplicate
ICAL	Initial Calibration	RF	Response Factor
ICV	Initial Calibration Verification	RL	Reporting Limit

ISTD	Internal Standard	RPD	Relative Percent Difference
LCL	Lower Control Limit	RSD	Relative Standard Deviation
LCS	Laboratory Control Sample	TB	Trip Blank
LCSD	Laboratory Control Sample Duplicate	UCL	Upper Control Limit

Tier 1 data validation is based on completeness and compliance checks of sample-related QC results including: sample receipt documentation; analytical holding times; sample preservation; blank results (method, field, and trip); surrogate recoveries; MS/MSD recoveries and RPDs values; field duplicate RPDs, laboratory duplicate RPDs, and LCS/LCSD recoveries and RPDs. All SDGs underwent Tier 1 validation review.

As a result of the review process, the following qualifiers may be assigned to the data in accordance with the USEPA's guidelines and best professional judgment:

R – The sample results are unusable because certain criteria were not met when generating the data. The analyte may or may not be present in the sample.

J – The analyte was positively identified and the associated numerical value is the approximate concentration of the analyte in the sample.

UJ – The analyte was not detected at a level greater than or equal to the reporting limit; however, the reported reporting limit is approximate and may be inaccurate or imprecise.

U – The analyte was analyzed for, but was not detected at a level greater than or equal to the level of the RL or the sample concentration for results impacted by blank contamination.

NJ – The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

If any validation qualifiers are assigned these qualifiers should supersede any laboratory-applied qualifiers. Data that is not qualified as a result of this data validation is considered acceptable on the basis of the items specified for review. Data that is qualified as "R" are considered invalid and are not technically usable for data interpretation. Data that is otherwise qualified due to minor data quality anomalies are usable, as qualified in Table 2 (attached).

MAJOR DEFICIENCIES:

Major deficiencies include those that grossly impact data quality and necessitate the rejection of results. No major deficiencies were identified.

MINOR DEFICIENCIES:

Minor deficiencies include anomalies that directly impact data quality and necessitate qualification, but do not result in unusable data. No minor deficiencies were identified.

OTHER DEFICIENCIES:

Other deficiencies include anomalies that do not directly impact data quality and do not necessitate qualification. The section below describes the other deficiencies that were identified.

VOCs by USEPA Method TO-15:

21L1065

The LCS for batch BL12701 exhibited a percent recovery above the UCL for chloroethane (133%). The associated results are non-detect. No qualification is necessary.

CONCLUSION:

On the basis of this evaluation, the laboratory appears to have followed the specified analytical methods with the exception of errors discussed above. If a given fraction is not mentioned above, that means that all specified criteria were met for that parameter. All of the data packages met ASP Category B requirements.

All data are considered usable, as qualified. In addition, completeness, defined as the percentage of analytical results that are judged to be valid, is 100%.

Signed:

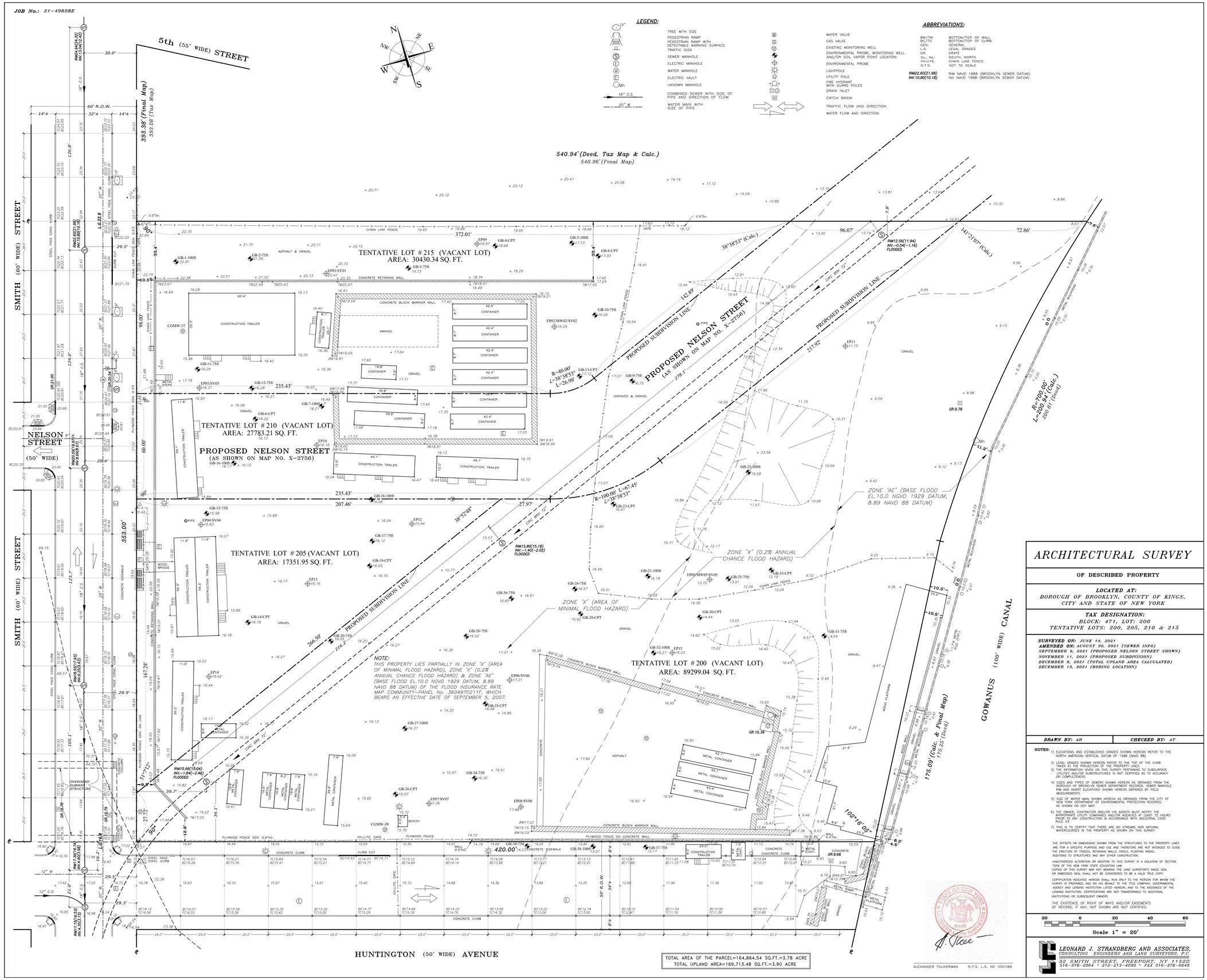
Joe Conboy
Senior Staff Chemist

Data Usability Summary Report
For 459 Smith Street
December 2021 Soil Vapor Samples
Table 1: Sample Summary

SDG	Lab Sample ID	Client Sample ID	Sample Date	Validation Level	Analytical Parameters
21L1065	21L1065-08	SV01_121721	12/17/2021	Tier 1	TO-15
21L1065	21L1065-01	SV02_121721	12/17/2021	Tier 1	TO-15
21L1065	21L1065-02	SV03_121721	12/17/2021	Tier 1	TO-15
21L1065	21L1065-03	SV04_121721	12/17/2021	Tier 1	TO-15
21L1065	21L1065-04	SV05_121721	12/17/2021	Tier 1	TO-15
21L1065	21L1065-05	SV06_121721	12/17/2021	Tier 1	TO-15
21L1065	21L1065-06	SV07_121721	12/17/2021	Tier 1	TO-15
21L1065	21L1065-07	SV08_121721	12/17/2021	Tier 1	TO-15

ATTACHMENT H
Architectural Survey

JOB No.: 21-49828E



ARCHITECTURAL SURVEY

OF DESCRIBED PROPERTY

LOCATED AT:
BOROUGH OF BROOKLYN, COUNTY OF KINGS, CITY AND STATE OF NEW YORK

TAX DESIGNATION:
BLOCK: 471, LOT: 200
TENTATIVE LOTS: 200, 205, 210 & 215

SURVEYED ON: *JUNE 14, 2021*
AMENDED ON: *AUGUST 30, 2021 (SEWER INFO)*
SEPTEMBER 9, 2021 (PROPOSED NELSON STREET SHOWN)
NOVEMBER 11, 2021 (PROPOSED SUBDIVISION)
DECEMBER 9, 2021 (TOTAL UPLAND AREA CALCULATED)
DECEMBER 13, 2021 (BORING LOCATION)

DRAWN BY: AH	CHECKED BY: AT

NOTES:

1) ELEVATIONS AND ESTABLISHED GRADES SHOWN HEREON REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88)
2) LEGAL GRADES SHOWN HEREON REFER TO THE TOP OF THE CURB TAKEN AT THE PROJECTION OF THE PROPERTY LINES.
3) THE INFORMATION GIVEN ON THIS SURVEY PERTAINING TO SUBSURFACE UTILITIES AND/OR SUBSTRUCTURES IS NOT CERTIFIED AS TO ACCURACY OR COMPLETENESS.
4) SIZES AND TYPES OF SEWERS SHOWN HEREON AS OBTAINED FROM THE BOROUGH OF BROOKLYN SEWER DEPARTMENT RECORDS. SEWER MANHOLE RIM AND INVERT ELEVATIONS SHOWN HEREON OBTAINED BY FIELD MEASUREMENTS.
5) SIZE OF WATER MAIN SHOWN HEREON AS OBTAINED FROM THE CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION RECORDS, AS SHOWN ON DEP MAP.
6) THE OWNER, CONTRACTOR AND/OR HIS AGENTS MUST NOTIFY THE APPROPRIATE UTILITY COMPANIES AND/OR AGENCIES AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION IN ACCORDANCE WITH INDUSTRIAL CODE RULE 53.
7) THIS IS TO CERTIFY THAT THERE ARE NO STREAMS NOR NATURAL WATERCOURSES IN THE PROPERTY AS SHOWN ON THIS SURVEY.

THE OFFSETS OR DIMENSIONS SHOWN FROM THE STRUCTURES TO THE PROPERTY LINES ARE FOR A SPECIFIC PURPOSE AND USE AND THEREFORE ARE NOT INTENDED TO GUIDE THE ERECTION OF FENCES, RETAINING WALLS, POOLS, PLANTING AREAS, ADDITIONS TO STRUCTURES AND ANY OTHER CONSTRUCTION.

UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW.
COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYOR'S INKED SEAL OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY.

CERTIFICATION INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, AND ON HIS BEHALF TO THE TITLE COMPANY, GOVERNMENTAL AGENCY AND LENDING INSTITUTION LISTED HEREON, AND TO THE ASSIGNEES OF THE LENDING INSTITUTION. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS OR SUBSEQUENT OWNERS.

THE EXISTENCE OF RIGHT OF WAYS AND/OR EASEMENTS OF RECORD, IF ANY, NOT SHOWN ARE NOT CERTIFIED.

20 0 20 40 60

Scale 1" = 20'

ALEXANDER TSUKERMAN N.Y.S. L.S. № 050189

LEONARD J. STRANDBERG AND ASSOCIATES,
CONSULTING ENGINEERS AND LAND SURVEYORS, P.C.
32 SMITH STREET, FREEPORT, NY 11520
*516-378-2064 * 212-213-4090 * FAX 516-378-6649*